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**Agricultural Experiment Station**

**University of Kentucky**

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**Analyses of Commercial Fertilizers**

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**BULLETIN NO. 263**

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(181)

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\*\*Assigned by the U. S. Department of Agriculture.

# BULLETIN NO. 263

## Analyses of Commercial Fertilizers

By H. E. CURTIS, H. R. ALLEN AND LELAH GAULT

This Bulletin gives the names of all brands of fertilizer registered in this State during the year 1925, the names of the manufacturers, and the official analyses.

Those interested in the use of fertilizers for different crops should apply to the College of Agriculture, the Experiment Station, or to their County Agent, and such literature as bears on the subject in which they are interested will be furnished. Bulletin No. 228 of the Experiment Station, showing the results obtained on the soil experiment fields, is of special interest to all users of fertilizers.

### *Samples Analyzed.*

There were registered during the year a total of 782 brands of fertilizer as follows:

|   |            |
|---|------------|
| Complete fertilizers, containing all three of the essential ingredients—phosphoric acid, nitrogen and potash..... | 461 brands |
| Nitrogenous superphosphates.....  | 67 brands  |
| Acid phosphate and potash mixtures.....   | 67 brands  |
| Acid phosphates.....  | 112 brands |
| Bones, tankage, etc.....  | 58 brands  |
| Nitrate of soda.....  | 7 brands   |
| Ammonium sulfate.....   | 4 brands   |
| Potash salts.....   | 6 brands   |

We have analyzed 751 samples of fertilizer collected by our inspectors or sent in by various persons in the State, in addition to the official samples. These analyses are to be found in the following pages, and have been divided into two groups—The first group, Table I, contains all analyses that are considered satisfactory, either because the analyses run high in all respects, or the deficiency in one ingredient is fully met by the excess in another. The second group, Table II, contains those analyses that are considered deficient.



As has been our custom in the past, we have shown an index of relative value for the purpose of comparison. The following factors have been used in computing these values:

|   |     |
|---|-----|
| Available phosphoric acid in mixed fertilizers.....           | 1.5 |
| Available phosphoric acid in acid phosphates.....             | 1.2 |
| Insoluble phosphoric acid in complete fertilizers.....        | 0.4 |
| Insoluble phosphoric acid in nitrogenous superphosphates..... | 0.4 |
| Phosphoric acid in bone.....                                  | 0.8 |
| Nitrogen in all fertilizers.....                              | 5.0 |
| Potash in all fertilizers.....                                | 2.0 |

### *Explanation of the Tables.*

In the tables of analyses, following the name of each brand will be found the analyses of such samples as have been collected by our inspectors, sent in by farmers, or furnished by the manufacturers, and the manufacturer's guaranty, printed last in italic figures. In Table II the figures set in bold face type are those results which are considered too low to be acceptable. In a number of cases the same brand of fertilizer will be found in both Tables, I and II—in which case they are marked in each table with a (†) dagger.

In Table I there are a number of analyses that, notwithstanding they are considered good enough to be placed in Table I, have objectionable features to which we desire to call attention: There are quite a number of cases where the potash is guaranteed from sulfate and the analyses made of some of these brands show the potash to be from muriate, no sulfate whatever having been used. Four or five companies have too many analyses of this class.

It will be noticed in Table II that a large number of analyses have been put into this table on account of the deficiency in total phosphoric acid. This comes from attempting to show a large amount of insoluble phosphoric acid in addition to the guaranty of available phosphoric acid, and, on account of this tendency to show a larger per cent of insoluble phosphoric acid than the goods contain, it has been deemed advisable to classify them among the deficient brands of fertilizer, hoping in this manner to induce the manufacturer to change these large guarantees of 4% or 5% insoluble phosphoric acid to 1% or 2%.



| Station<br>Number | Name and Address of Manufacturer<br>and Name of Brand   | From Whom Obtained  |
|-------------------|---|---|
|                   | <b>A. D. Adair and McCarty Bros., Inc.<br/>Atlanta, Ga., and Chattanooga, Tenn.</b>                     |   |
| 68006             | A. and M. Old Glory Mixture   | Manufacturer _____<br>Guaranteed _____  |
| 68007             | Adair's Soluble Pacific Guano _____   | * _____<br>Guaranteed _____   |
| 68008             | A. and M. Standard Tobacco Grower   | Manufacturer _____<br>Guaranteed _____  |
| 68010             | A. and M. Special Tobacco and Potato<br>Grower  | * _____<br>Guaranteed _____   |
| 68011             | A. and M. High Grade Potash Com-<br>pound _____   | * _____<br>Guaranteed _____   |
| 68012             | A. & M. High Grade Acid Phosphate   | Manufacturer _____<br>Guaranteed _____  |
| 68013             | A. and M. High Grade Complete<br>Fertilizer No. 765 _____   | * _____<br>Guaranteed _____   |
| 68014             | A. and M. Old Reliable Fertilizer _____   | Manufacturer _____<br>Guaranteed _____  |
| 68015             | A. & M. High Grade Acid Phosphate<br>No. 18 _____   | Manufacturer _____<br>Guaranteed _____  |
| 68016             | Nitrate of Soda _____   | Manufacturer _____<br>Guaranteed _____  |
| 68017             | Muriate of Potash _____   | Manufacturer _____<br>Guaranteed _____  |
| 68635             | <b>Alabama Chemical Co. (of Alabama),<br/>Inc., Montgomery, Ala.</b><br>Red Cross Tobacco Special _____ | Manufacturer _____<br>Guaranteed _____  |
| 68970<br>69424    | Red Cross Acid Phosphate _____  | Cayce-Yost Co., Hopkinsville _____<br>Calloway Co., Farm Bureau, Murray _____<br>Guaranteed _____ |

\* The manufacturer failed to furnish sample as required by law.

TABLE I.

| PHOSPHORIC ACID |                | Percentage<br>Of Fineness |             | NITROGEN      |                | Equivalent to<br>Ammonia | POTASH         |         | Index of<br>Relative Value | Station<br>Number |
|-----------------|----------------|---------------------------|-------------|---------------|----------------|--------------------------|----------------|---------|----------------------------|-------------------|
| Insoluble       | Total          | Fine Bone                 | Medium Bone | Water Soluble | Total          |                          | Muriate        | Sulfate |                            |                   |
| 2.10            | 12.05          |                           |             | 0.72          | 1.74<br>1.65   | 2.11<br>2.00             | 3.55<br>3.00   |         | 31.6<br>27.8               | 68006             |
|                 |                |                           |             |               | 1.65           | 2.00                     | 2.00           |         | 27.3                       | 68007             |
| 3.00            | 10.90          |                           |             | 0.71          | 1.59<br>1.65   | 1.93<br>2.00             | 2.56<br>2.00   |         | 26.1<br>24.3               | 68008             |
|                 |                |                           |             |               | 1.65           | 2.00                     | 4.00           |         | 28.2                       | 68010             |
|                 |                |                           |             |               |                |                          | 4.00           |         | 23.0                       | 68011             |
| 0.40            | 20.30          |                           |             |               |                |                          |                |         | 23.9<br>19.2               | 68012             |
|                 |                |                           |             |               | 4.94           | 6.00                     | 5.00           |         | 45.2                       | 68013             |
| 1.70            | 12.20          |                           |             | 1.57          | 2.64<br>2.47   | 3.20<br>3.00             | 3.51<br>3.00   |         | 36.7<br>33.4               | 68014             |
| 1.10            | 21.20          |                           |             |               |                |                          |                |         | 24.1<br>21.6               | 68015             |
|                 |                |                           |             |               | 15.40<br>15.00 | 18.70<br>18.22           |                |         | 77.0<br>75.0               | 68016             |
|                 |                |                           |             |               |                |                          | 53.00<br>50.00 |         | 106.0<br>100.0             | 68017             |
| 1.10            | 11.80          |                           |             | 1.86          | 2.56<br>2.47   | 3.11<br>3.00             | 4.36<br>3.00   |         | 38.0<br>33.4               | 68635             |
| 1.70<br>0.50    | 19.70<br>18.25 |                           |             |               |                |                          |                |         | 21.6<br>21.3<br>19.2       | 68970<br>69424    |



| Station Number  | Name and Address of Manufacturer and Name of Brand  | From Whom Obtained   |
|---|---|--|
| 68649<br>68650<br>68971<br>69211                            | <b>The American Agricultural Chemical Co., Inc., Cincinnati, O.</b><br>A. A. C. Kentucky Tobacco Grower | J. R. Nelson, Eubank<br>J. W. Schoolcraft, Somerset<br>D. M. Brakefield, Adairville<br>J. T. Butler, McKinney<br>Guaranteed  |
| 68651<br>68652<br>68653<br>69212                            | A. A. C. Ground Bone  | J. W. Schoolcraft, Somerset<br>Hill Hardware Co., Bowling Green<br>E. S. Ferrill and Son, Buffalo<br>R. H. Mayhew Feed Co., Franklin<br>Guaranteed   |
| 67923   | A. A. C. High Grade Bone and Potash   | Manufacturer<br>Guaranteed   |
| 68654   | A. A. C. High Grade Fertilizer  | E. S. Ferrill and Son, Buffalo<br>Guaranteed   |
| 68972   | A. A. C. Corn and Cotton Grower   | Vine Grove Feed Co., Vine Grove<br>Guaranteed  |
| 68657<br>68658<br>68856<br>69213<br>69214<br>69215<br>69216 | A. A. C. Basic Lime Phosphate   | Burks Bros. and Edwards, Upton<br>E. S. Ferrill and Son, Buffalo<br>J. H. Campbell, Salt Lick<br>Farm Bureau, Elizabethtown<br>J. W. Schoolcraft, W. Somerset<br>J. T. Butler, McKinney<br>Skaggs and Carver, Horse Cave<br>Guaranteed |
| 67929   | Bowker's Soluble Bone   | Manufacturer<br>Guaranteed   |
| 68659<br>68660<br>68661<br>69217<br>69218<br>69219<br>69220 | Bowker's 16% Acid Phosphate   | J. W. Schoolcraft, Somerset<br>Rupert Devasher, Glasgow<br>Skaggs and Carver, Horse Cave<br>J. W. Schoolcraft, W. Somerset<br>J. T. Butler, McKinney<br>Estes and Hines, Science Hill<br>R. H. Mayhew Feed Co., Franklin<br>Guaranteed |
| 68662   | Bowker's Harvest Bone Phosphate   | Skaggs and Carver, Horse Cave<br>Guaranteed  |



TABLE I.

| PHOSPHORIC ACID |       |  | Percentage Of Fineness |             | NITROGEN      |       | Equivalent to Ammonia | POTASH  |         | Index of Relative Value | Station Number |
|-----------------|-------|--|------------------------|-------------|---------------|-------|-----------------------|---------|---------|-------------------------|----------------|
| Insoluble       | Total |  | Fine Bone              | Medium Bone | Water Soluble | Total |                       | Muriate | Sulfate |                         |                |
| 2.00            | 11.00 |  |                        |             | 1.17          | 1.49  | 1.81                  | 2.10    |         | 26.0                    | 68649          |
| 2.00            | 10.40 |  |                        |             | 1.46          | 1.75  | 2.12                  | 2.39    |         | 26.9                    | 68650          |
| 2.20            | 10.70 |  |                        |             | 1.43          | 1.78  | 2.16                  | 2.37    |         | 27.3                    | 68971          |
| 1.60            | 10.05 |  |                        |             | 1.37          | 1.72  | 2.09                  | 2.20    |         | 26.3                    | 69211          |
| 4.00            | 12.00 |  |                        |             |               | 1.65  | 2.00                  | 2.00    |         | 25.9                    |                |
|                 | 28.60 |  | 84                     | 16          |               | 1.99  | 2.42                  |         |         | 32.8                    | 68651          |
|                 | 28.40 |  | 76                     | 24          |               | 1.82  | 2.21                  |         |         | 31.8                    | 68652          |
|                 | 28.60 |  | 83                     | 17          |               | 1.90  | 2.31                  |         |         | 32.4                    | 68653          |
|                 | 30.00 |  | 80                     | 20          |               | 1.83  | 2.22                  |         |         | 33.2                    | 69212          |
|                 | 27.00 |  |                        |             |               | 1.65  | 2.00                  |         |         | 29.9                    |                |
| 1.50            | 12.00 |  |                        |             |               |       |                       | 5.29    |         | 26.3                    | 67923          |
| 2.00            | 12.00 |  |                        |             |               |       |                       | 5.00    |         | 25.0                    |                |
| 1.60            | 10.80 |  |                        |             | 2.15          | 2.61  | 3.17                  |         | 5.86    | 39.2                    | 68654          |
| 4.00            | 12.00 |  |                        |             |               | 2.47  | 3.00                  |         | 6.00    | 38.0                    |                |
| 2.70            | 14.70 |  |                        |             | 1.39          | 1.68  | 2.04                  | 2.13    |         | 31.7                    | 68972          |
| 2.00            | 14.00 |  |                        |             |               | 1.65  | 2.00                  | 2.00    |         | 31.1                    |                |
| 2.40            | 15.80 |  |                        |             |               |       |                       |         |         | 16.1                    | 68657          |
| 2.30            | 16.10 |  |                        |             |               |       |                       |         |         | 16.6                    | 68658          |
| 1.90            | 16.10 |  |                        |             |               |       |                       |         |         | 17.0                    | 68856          |
| 1.80            | 14.65 |  |                        |             |               |       |                       |         |         | 15.4                    | 69213          |
| 2.00            | 16.00 |  |                        |             |               |       |                       |         |         | 16.8                    | 69214          |
| 2.35            | 18.90 |  |                        |             |               |       |                       |         |         | 19.9                    | 69215          |
| 1.85            | 14.85 |  |                        |             |               |       |                       |         |         | 15.6                    | 69216          |
| 2.00            | 15.00 |  |                        |             |               |       |                       |         |         | 15.6                    |                |
| 2.40            | 16.40 |  |                        |             |               |       |                       |         |         | 16.8                    | 67929          |
| 2.00            | 16.00 |  |                        |             |               |       |                       |         |         | 16.8                    |                |
| 1.60            | 17.90 |  |                        |             |               |       |                       |         |         | 19.6                    | 68659          |
| 0.80            | 18.10 |  |                        |             |               |       |                       |         |         | 20.8                    | 68660          |
| 0.90            | 17.90 |  |                        |             |               |       |                       |         |         | 20.4                    | 68661          |
| 1.10            | 18.15 |  |                        |             |               |       |                       |         |         | 20.5                    | 69217          |
| 2.20            | 18.40 |  |                        |             |               |       |                       |         |         | 19.4                    | 69218          |
| 2.60            | 19.25 |  |                        |             |               |       |                       |         |         | 20.0                    | 69219          |
| 1.55            | 18.70 |  |                        |             |               |       |                       |         |         | 20.6                    | 69220          |
| 2.00            | 18.00 |  |                        |             |               |       |                       |         |         | 19.2                    |                |
| 1.70            | 10.60 |  |                        |             | 0.55          | 0.75  | 0.91                  | 0.94    |         | 19.7                    | 68662          |
| 4.00            | 12.00 |  |                        |             |               | 0.82  | 1.00                  | 1.00    |         | 19.7                    |                |

TABLE I.

| Station Number          | Name and Address of Manufacturer and Name of Brand  | From Whom Obtained  |
|-------------------------|---|---|
| 68663                   | <b>The American Agricultural Chemical Co., Inc., Cincinnati, O.</b><br>Bowker's Fish Guano..... | Gooch and Payne, Eubank.....<br>Guaranteed.....   |
| 68664                   | †Bowker's Grain and Grass Grower.....   | Jno. B. Riffe, Hustonville.....<br>Guaranteed.....  |
| 68665<br>68973          | Bowker's High Grade Tobacco Grower.....   | Skaggs and Carver, Horse Cave.....<br>W. R. Strange and Co., Middlesboro.....<br>Guaranteed.....                              |
| 68666<br>68667<br>69222 | Bowker's Potash Fertilizer.....   | Mayhew Feed Co., Franklin.....<br>Skaggs and Carver, Horse Cave.....<br>Estes and Hines, Science Hill.....<br>Guaranteed..... |
| 68668<br>68974          | Bowker's Tobacco Grower.....  | Mayhew Feed Co., Franklin.....<br>Harvey Stout and Son, Buechel.....<br>Guaranteed.....                                       |
| 67940                   | Bowker's 20% Acid Phosphate.....  | Manufacturer.....<br>Guaranteed.....  |
| 68669<br>68670          | Bowker's High Grade Fertilizer.....   | Gooch and Payne, Eubank.....<br>Jno. B. Riffe, Hustonville.....<br>Guaranteed.....  |
| 67943                   | Bradley's High Grade Tobacco.....   | Manufacturer.....<br>Guaranteed.....  |
| 67944                   | Bradley's Soluble Dissolved Bone.....   | Manufacturer.....<br>Guaranteed.....  |
| 68975                   | Bradley's 16% Acid Phosphate.....   | W. L. Anderson and Son, Caneyville.....<br>Guaranteed.....  |
| 67952                   | Bradley's 20% Acid Phosphate.....   | Manufacturer.....<br>Guaranteed.....  |
| 67953                   | Cleveland Dryer Works Horsehead Phosphate.....  | Manufacturer.....<br>Guaranteed.....  |
| 67954                   | Cleveland Dryer Works XXX Super-Phosphate.....  | Manufacturer.....<br>Guaranteed.....  |

TABLE I.

| PHOSPHORIC ACID                  |                              |                                  | Percentage<br>Of Fineness |             | NITROGEN      |                      | Equivalent to<br>Ammonia | POTASH               |                      | Index of<br>Relative Value   | Station<br>Number       |
|----------------------------------|------------------------------|----------------------------------|---------------------------|-------------|---------------|----------------------|--------------------------|----------------------|----------------------|------------------------------|-------------------------|
| Available                        | Insoluble                    | Total                            | Fine Bone                 | Medium Bone | Water Soluble | Total                |                          | Muriate              | Sulfate              |                              |                         |
| 9.40<br>3.00                     | 1.50<br>4.00                 | 11.10<br>12.00                   |                           |             | 0.68          | 0.88<br>0.82         | 1.07<br>1.00             | 2.95<br>3.00         |                      | 25.1<br>23.7                 | 68663                   |
| 9.30<br>8.00                     | 1.70<br>4.00                 | 11.00<br>12.00                   |                           |             | 1.23          | 1.52<br>1.65         | 1.85<br>2.00             | 2.51<br>2.00         |                      | 27.3<br>25.9                 | 68664                   |
| 1.30<br>2.00<br>0.00             | 2.10<br>2.00<br>4.00         | 13.40<br>14.00<br>14.00          |                           |             | 2.00<br>2.01  | 2.62<br>2.32<br>2.47 | 3.18<br>2.82<br>3.00     | 0.84                 | 3.11<br>2.13<br>3.00 | 37.1<br>36.0<br>35.0         | 68665<br>68973          |
| 11.70<br>10.50<br>10.90<br>10.00 | 1.00<br>1.70<br>1.30<br>2.00 | 12.70<br>12.20<br>12.20<br>12.00 |                           |             |               |                      |                          | 4.60<br>5.37<br>5.00 | 5.20                 | 28.4<br>25.6<br>27.6<br>25.0 | 68666<br>68667<br>69222 |
| 8.80<br>8.80<br>8.00             | 2.50<br>2.90<br>4.00         | 11.30<br>11.70<br>12.00          |                           |             | 1.29<br>1.35  | 1.74<br>1.77<br>1.65 | 2.11<br>2.15<br>2.00     | 0.56                 | 5.39<br>4.50<br>5.00 | 33.7<br>33.3<br>31.9         | 68668<br>68974          |
| 20.20<br>20.00                   | 1.50<br>2.00                 | 21.70<br>22.00                   |                           |             |               |                      |                          |                      |                      | 24.2<br>24.0                 | 67940                   |
| 8.50<br>8.20<br>8.00             | 2.40<br>2.70<br>4.00         | 10.90<br>10.90<br>12.00          |                           |             | 2.06<br>2.11  | 2.57<br>2.60<br>2.47 | 3.12<br>3.16<br>3.00     | 0.84<br>0.84         | 5.55<br>5.70<br>6.00 | 39.3<br>39.5<br>38.0         | 68669<br>68670          |
| 10.20<br>10.00                   | 2.10<br>4.00                 | 12.30<br>14.00                   |                           |             | 2.00          | 2.52<br>2.47         | 3.06<br>3.00             | 0.84                 | 2.33<br>3.00         | 35.1<br>35.0                 | 67943                   |
| 14.00<br>14.00                   | 2.40<br>2.00                 | 16.40<br>16.00                   |                           |             |               |                      |                          |                      |                      | 16.8<br>16.8                 | 67944                   |
| 17.40<br>16.00                   | 0.90<br>2.00                 | 18.30<br>18.00                   |                           |             |               |                      |                          |                      |                      | 20.9<br>19.2                 | 68975                   |
| 20.20<br>20.00                   | 1.50<br>2.00                 | 21.70<br>22.00                   |                           |             |               |                      |                          |                      |                      | 24.2<br>24.0                 | 67952                   |
| 10.10<br>10.00                   | 1.60<br>2.00                 | 11.70<br>12.00                   |                           |             |               |                      |                          |                      |                      | 12.1<br>12.0                 | 67953                   |
| 14.00<br>14.00                   | 2.40<br>2.00                 | 16.40<br>16.00                   |                           |             |               |                      |                          |                      |                      | 16.8<br>16.8                 | 67954                   |

TABLE I.

| Station Number                            | Name and Address of Manufacturer and Name of Brand  | From Whom Obtained  |
|---|---|---|
| 67955                                     | <b>The American Agricultural Chemical Co., Inc., Cincinnati, O.</b><br>Cleveland Dryer Works 16% Acid Phosphate | Manufacturer<br>Guaranteed  |
| 67962                                     | Cleveland Dryer Works, High Grade Tobacco Grower  | Manufacturer<br>Guaranteed  |
| 67963                                     | Cleveland Dryer Works 20% Acid Phosphate  | Manufacturer<br>Guaranteed  |
| 68964                                     | Red Line Phosphate  | Manufacturer<br>Guaranteed  |
| 68673                                     | Michigan Carbon Works 16% Acid Phosphate  | Morehead Feed Co., Morehead<br>Brownlee, Kennady and Crutcher, Munfordville<br>Lebanon Carriage & Impl. Co., Lebanon<br>Hill Hardware Co., Bowling Green<br>Skaggs and Carver, Horse Cave<br>Guaranteed |
| 68674                                     |   |   |
| 68675                                     |   |   |
| 69223                                     |   |   |
| 69224                                     |   |   |
| 68976<br>69226<br>69227                   | †Red Line Complete Manure   | Lindsey Orr and Co., Elkton<br>J. W. Schoolcraft, W. Somerset<br>Skaggs and Carver, Horse Cave<br>Guaranteed  |
| 68677                                     | †Michigan Carbon Works Sure Crop  | J. W. Schoolcraft, W. Somerset<br>Guaranteed  |
| 68977                                     | Homestead A-1 Potash Fertilizer   | C. L. Cummings, Crab Orchard<br>Guaranteed  |
| 68678<br>68978<br>69229<br>69230          | Michigan Carbon Works Corn and Wheat Phosphate  | J. H. Campbell, Salt Lick<br>Conner-Hayden Co., Bardstown<br>Lindsey Orr and Co., Elkton<br>Conner-Hayden Co., Bardstown<br>Guaranteed  |
| 68679<br>68680<br>68681<br>68979<br>68980 | †Homestead A. Bone Black Fertilizer   | Woodson Lewis and Son, Greensburg<br>J. F. Collings, Shepherdsville<br>Woodson Lewis and Son, Greensburg<br>J. W. Schoolcraft, W. Somerset<br>E. S. Ferrill and Son, Buffalo<br>Guaranteed              |



TABLE I.

| PHOSPHORIC ACID |              |                | Percentage<br>Of Fineness |             | NITROGEN      |              | Equivalent to<br>Ammonia | POTASH  |              | Index of<br>Relative Value | Station<br>Number |
|-----------------|--------------|----------------|---------------------------|-------------|---------------|--------------|--------------------------|---------|--------------|----------------------------|-------------------|
| Available       | Insoluble    | Total          | Fine Bone                 | Medium Bone | Water Soluble | Total        |                          | Muriate | Sulfate      |                            |                   |
| 1.55<br>1.00    | 1.10<br>2.00 | 17.65<br>18.00 |                           |             |               |              |                          |         |              | 19.9<br>19.2               | 67955             |
| 2.20<br>1.00    | 2.10<br>4.00 | 12.30<br>14.00 |                           |             | 2.00          | 2.52<br>2.47 | 3.06<br>3.00             | 0.84    | 2.33<br>3.00 | 35.1<br>35.0               | 67962             |
| 2.20<br>1.00    | 1.50<br>2.00 | 21.70<br>22.00 |                           |             |               |              |                          |         |              | 24.2<br>24.0               | 67963             |
| 2.00<br>1.00    | 2.40<br>2.00 | 16.40<br>16.00 |                           |             |               |              |                          |         |              | 16.8<br>16.8               | 67964             |
| 2.30            | 2.00         | 19.30          |                           |             |               |              |                          |         |              | 20.8                       | 68673             |
| 2.50            | 1.00         | 18.50          |                           |             |               |              |                          |         |              | 21.0                       | 68674             |
| 2.50            | 1.30         | 16.80          |                           |             |               |              |                          |         |              | 18.6                       | 68675             |
| 2.35            | 2.50         | 19.85          |                           |             |               |              |                          |         |              | 20.8                       | 69223             |
| 2.85            | 2.45         | 19.30          |                           |             |               |              |                          |         |              | 20.2                       | 69224             |
| 2.00            | 2.00         | 18.00          |                           |             |               |              |                          |         |              | 19.2                       |                   |
| 3.50            | 1.90         | 10.40          |                           |             | 0.72          | 0.99         | 1.20                     | 1.17    |              | 20.8                       | 68976             |
| 3.15            | 1.85         | 10.00          |                           |             | 0.60          | 0.85         | 1.03                     | 1.27    |              | 19.8                       | 69226             |
| 3.55            | 1.80         | 10.35          |                           |             | 0.59          | 0.84         | 1.02                     | 1.08    |              | 19.9                       | 69227             |
| 3.00            | 4.00         | 12.00          |                           |             |               | 0.82         | 1.00                     | 1.00    |              | 19.7                       |                   |
| 3.50            | 2.00         | 10.50          |                           |             | 0.95          | 1.06         | 1.29                     | 1.68    |              | 22.2                       | 68677             |
| 3.00            | 4.00         | 12.00          |                           |             |               | 0.82         | 1.00                     | 2.00    |              | 21.7                       |                   |
| 3.40            | 2.10         | 10.50          |                           |             | 0.59          | 0.90         | 1.09                     | 3.06    |              | 24.1                       | 68977             |
| 3.00            | 4.00         | 12.00          |                           |             |               | 0.82         | 1.00                     | 3.00    |              | 23.7                       |                   |
| 3.03            | 3.50         | 13.80          |                           |             | 0.69          | 1.00         | 1.21                     | 0.80    | 0.49         | 24.4                       | 68678             |
| 3.08            | 1.70         | 12.50          |                           |             | 0.61          | 0.83         | 1.01                     | 1.07    |              | 23.2                       | 68978             |
| 3.10            | 2.70         | 12.80          |                           |             | 0.47          | 0.86         | 1.04                     | 1.43    |              | 23.4                       | 69229             |
| 3.05            | 1.40         | 12.55          |                           |             | 0.74          | 0.89         | 1.08                     | 1.06    |              | 23.6                       | 69230             |
| 3.00            | 4.00         | 14.00          |                           |             |               | 0.82         | 1.00                     | 1.00    |              | 22.7                       |                   |
| 3.10            | 2.10         | 11.20          |                           |             | 1.57          | 2.03         | 2.46                     | 1.48    |              | 27.6                       | 68679             |
| 3.60            | 1.40         | 10.00          |                           |             | 1.80          | 2.15         | 2.61                     | 1.57    |              | 27.4                       | 68680             |
| 3.10            | 1.40         | 12.50          |                           |             | 2.07          | 2.49         | 3.02                     | 2.92    |              | 35.5                       | 68681             |
| 3.50            | 2.20         | 10.70          |                           |             | 1.74          | 2.25         | 2.73                     | 1.64    |              | 28.2                       | 68979             |
| 3.80            | 1.00         | 10.80          |                           |             | 1.67          | 2.25         | 2.73                     | 1.46    |              | 29.3                       | 68980             |
| 3.00            | 4.00         | 12.00          |                           |             |               | 2.06         | 2.50                     | 1.50    |              | 26.9                       |                   |

| Station Number | Name and Address of Manufacturer and Name of Brand                  | From Whom Obtained                        |
|----------------|---|---|
|                | <b>The American Agricultural Chemical Co., Inc., Cincinnati, O.</b> |   |
| 68682          | Homestead Tobacco and Truck   | Lebanon Car. and Impl. Co., Lebanon       |
| 68981          | Grower.....   | W. S. Overstreet, LaGrange.....           |
|                |   | Guaranteed.....                           |
| 68683          | †Homestead Tobacco Grower .....                                     | Burke Bros. and Edwards, Upton.....       |
| 68684          |   | J. R. Davis and Bro., Campbellsville..... |
| 68685          |   | Brownlee, Kennady & Crutchfield.....      |
|                |   | Munfordville.....                         |
| 68982          |   | E. S. Ferrill and Son, Buffalo.....       |
|                |   | Guaranteed.....                           |
| 68984          | Michigan Carbon Works High Potash                                   | Geo. T. Gillum and Son, Russellville..... |
| 69236          | Phosphate.....  | Skaggs and Carver, Horse Cave.....        |
|                |   | Guaranteed.....                           |
| 68686          | †Homestead Potato and Tobacco                                       | Staggs Bros., Vanceburg.....              |
| 68687          | Special.....  | J. H. Campbell, Salt Lick.....            |
| 68688          |   | J. W. Schoolcraft, Somerset.....          |
| 68985          |   | C. P. Clark and Son, Owensboro.....       |
| 68987          |   | Morehead Feed Co., Morehead.....          |
|                |   | Guaranteed.....                           |
| 68689          | Michigan Carbon Works 20% Acid                                      | J. H. Campbell, Salt Lick.....            |
|                | Phosphate.....  | Guaranteed.....                           |
| 68690          | Michigan Carbon Works High Grade                                    | Burks Bros. and Edwards, Upton.....       |
|                | Fertilizer.....   | Guaranteed.....                           |
| 67978          | N.-W. Horseshoe Br. Square Deal                                     | Manufacturer.....                         |
|                | Phosphate.....  | Guaranteed.....                           |
| 68691          | N.-W. Horseshoe Br. 16% Acid Phos-                                  | J. R. Nelson, Eubank.....                 |
| 68692          | phate.....  | Woodson Lewis and Son, Greensburg.....    |
| 68988          |   | G. W. Hill Grocery Co., Covington.....    |
|                |   | Guaranteed.....                           |
| 68693          | N.-W. Horseshoe Br. Dark Tobacco                                    | J. W. Schoolcraft, Somerset.....          |
| 68694          | Grower.....   | Woodson Lewis and Son, Greensburg.....    |
|                |   | Guaranteed.....                           |
| 68696          | †N-W Horseshoe Br. C. and W. Phos-                                  | J. W. Schoolcraft, Somerset.....          |
|                | phate .....   | Guaranteed.....                           |

TABLE I.

| PHOSPHORIC ACID |           |       | Percentage<br>Of Fineness |             | NITROGEN      |       | Equivalent to<br>Ammonia | POTASH  |         | Index of<br>Relative Value | Station<br>Number |
|-----------------|-----------|-------|---------------------------|-------------|---------------|-------|--------------------------|---------|---------|----------------------------|-------------------|
| Available       | Insoluble | Total | Fine Bone                 | Medium Bone | Water Soluble | Total |                          | Muriate | Sulfate |                            |                   |
| 2.00            | 2.60      | 13.60 |                           |             | 1.81          | 2.46  | 2.99                     | 0.60    | 2.40    | 35.8                       | 68682             |
| 1.55            | 1.95      | 12.50 |                           |             | 2.24          | 2.62  | 3.18                     | 1.32    |         | 32.4                       | 68981             |
| 2.00            | 4.00      | 14.00 |                           |             |               | 2.47  | 3.00                     | 1.00    |         | 31.0                       |                   |
| 1.30            | 2.20      | 13.50 |                           |             | 2.10          | 2.61  | 3.17                     |         | 3.08    | 37.0                       | 68683             |
| 1.70            | 1.90      | 13.60 |                           |             | 2.07          | 2.62  | 3.18                     |         | 3.28    | 38.0                       | 68684             |
| 1.90            | 1.20      | 13.10 |                           |             | 2.00          | 2.49  | 3.02                     |         | 2.92    | 36.6                       | 68685             |
| 1.80            | 2.80      | 13.60 |                           |             | 1.73          | 2.42  | 2.94                     |         | 2.68    | 34.8                       | 68982             |
| 2.00            | 4.00      | 14.00 |                           |             |               | 2.47  | 3.00                     |         | 3.00    | 35.0                       |                   |
| 1.70            | 1.70      | 12.40 |                           |             |               |       |                          | 4.93    |         | 25.9                       | 68984             |
| 1.20            | 1.90      | 13.10 |                           |             |               |       |                          | 5.34    |         | 27.5                       | 69236             |
| 2.00            | 2.00      | 12.00 |                           |             |               |       |                          | 5.00    |         | 25.0                       |                   |
| 3.60            | 2.60      | 11.20 |                           |             | 1.40          | 1.78  | 2.16                     | 0.80    | 4.36    | 33.2                       | 68686             |
| 3.30            | 3.10      | 11.40 |                           |             | 1.42          | 1.90  | 2.31                     | 0.96    | 4.45    | 34.0                       | 68687             |
| 3.00            | 2.80      | 10.80 |                           |             | 1.34          | 1.80  | 2.19                     | 0.52    | 4.51    | 32.2                       | 68688             |
| 2.95            | 1.70      | 11.65 |                           |             | 1.35          | 1.60  | 1.94                     |         | 4.96    | 33.5                       | 68985             |
| 7.45            | 4.30      | 11.75 |                           |             | 1.28          | 1.81  | 2.20                     | 0.68    | 4.63    | 32.6                       | 68987             |
| 8.00            | 4.00      | 12.00 |                           |             |               | 1.65  | 2.00                     |         | 5.00    | 31.9                       |                   |
| 10.75           | 1.35      | 22.10 |                           |             |               |       |                          |         |         | 24.9                       | 68689             |
| 10.00           | 2.00      | 22.00 |                           |             |               |       |                          |         |         | 24.0                       |                   |
| 8.80            | 2.20      | 11.00 |                           |             | 2.15          | 2.61  | 3.17                     | 0.84    | 5.16    | 39.1                       | 68690             |
| 8.00            | 4.00      | 12.00 |                           |             |               | 2.47  | 3.00                     |         | 6.00    | 38.0                       |                   |
| 4.00            | 2.40      | 16.40 |                           |             |               |       |                          |         |         | 16.8                       | 67978             |
| 4.00            | 2.00      | 16.00 |                           |             |               |       |                          |         |         | 16.8                       |                   |
| 7.30            | 1.30      | 18.60 |                           |             |               |       |                          |         |         | 20.8                       | 68691             |
| 6.50            | 1.80      | 18.30 |                           |             |               |       |                          |         |         | 19.8                       | 68692             |
| 8.15            | 0.90      | 19.05 |                           |             |               |       |                          |         |         | 21.8                       | 68988             |
| 6.00            | 2.00      | 18.00 |                           |             |               |       |                          |         |         | 19.2                       |                   |
| 8.50            | 2.20      | 10.70 |                           |             | 0.56          | 0.85  | 1.03                     | 1.00    |         | 19.9                       | 68693             |
| 8.90            | 1.20      | 10.10 |                           |             | 0.60          | 0.85  | 1.03                     | 1.10    |         | 20.3                       | 68694             |
| 8.00            | 4.00      | 12.00 |                           |             |               | 0.82  | 1.00                     | 1.00    |         | 19.7                       |                   |
| 10.80           | 2.40      | 13.20 |                           |             | 0.72          | 1.00  | 1.21                     | 1.20    |         | 24.6                       | 68696             |
| 10.00           | 4.00      | 14.00 |                           |             |               | 0.82  | 1.00                     | 1.00    |         | 22.7                       |                   |

TABLE I.

| Station Number | Name and Address of Manufacturer and Name of Brand   | From Whom Obtained   |
|----------------|--|--|
| 68697          | <b>The American Agricultural Chemical Co., Inc., Cincinnati, O.</b><br>†N-W Horseshoe Br. Challenge Corn Grower..... | Grayson County Supply Co., Litchfield<br>Guaranteed.....   |
| 67987          | N-W Horseshoe Br. High Grade Tobacco Grower.....   | Manufacturer.....<br>Guaranteed.....   |
| 67988          | N-W Horseshoe Br. 10-5 Potash Manure.....  | Manufacturer.....<br>Guaranteed.....   |
| 67990          | N-W Horseshoe Br. 20% Acid Phosphate.....  | Manufacturer.....<br>Guaranteed.....   |
| 69240          | N-W Horseshoe Br. Quick Acting Phosphate.....  | E. S. Ferrill and Sons, Buffalo.....<br>Guaranteed.....  |
| 67992          | N-W Horseshoe Br. High Grade Fertilizer.....   | Manufacturer.....<br>Guaranteed.....   |
| 67993          | Packers Boar's Head Br. Soluble Phosphate.....   | Manufacturer.....<br>Guaranteed.....   |
| 67994          | Packers Boar's Head Br. Gilt Edge Phosphate.....   | Manufacturer.....<br>Guaranteed.....   |
| 68698          | Packers Boar's Head Br. 16% Acid Phosphate.....  | H. D. Jones, Glasgow.....<br>Guaranteed.....   |
| 68002          | Packers Boar's Head Br. High Grade Tobacco Grower.....   | Manufacturer.....<br>Guaranteed.....   |
| 68003          | Packers Boar's Head Br. Potash Phosphate Fertilizer.....   | Manufacturer.....<br>Guaranteed.....   |
| 68005          | Packers Boar's Head Br. 20% Acid Phosphate.....  | Manufacturer.....<br>Guaranteed.....   |
| 68700          | <b>Armour Fertilizer Works, Louisville, Cincinnati, Nashville.</b><br>†Big Crop Burley Tobacco Grower.....           | J. W. Hicks, Upton.....<br>Durham Implement Co., Danville.....<br>Broadus Forbes Co., Richmond.....<br>Guaranteed..... |
| 68701          |  |  |
| 68989          |  |  |
| 68157          | Big Crop Potato Grower.....  | Manufacturer.....<br>Guaranteed.....   |



TABLE I.

| PHOSPHORIC ACID              |                              |                              | Percentage<br>Of Fineness |             | NITROGEN             |                              | Equivalent to<br>Ammonia     | POTASH                       |                              | Index of<br>Relative Value   | Station<br>Number       |
|------------------------------|------------------------------|------------------------------|---------------------------|-------------|----------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|-------------------------|
| Available                    | Insoluble                    | Total                        | Fine Bone                 | Medium Bone | Water Soluble        | Total                        |                              | Muriate                      | Sulfate                      |                              |                         |
| 3.05<br>3.00                 | 2.90<br>4.00                 | 10.95<br>12.00               |                           |             | 1.20                 | 1.62<br>1.65                 | 1.97<br>2.00                 | 2.03<br>2.00                 |                              | 25.4<br>25.9                 | 68697                   |
| 0.20<br>0.00                 | 2.10<br>4.00                 | 12.30<br>14.00               |                           |             | 2.00                 | 2.52<br>2.47                 | 3.06<br>3.00                 | 0.84<br>3.00                 | 2.33<br>3.00                 | 35.1<br>35.0                 | 67987                   |
| 0.50<br>0.00                 | 1.50<br>2.00                 | 12.00<br>12.00               |                           |             |                      |                              |                              | 5.29<br>5.00                 |                              | 26.3<br>25.0                 | 67988                   |
| 0.20<br>0.00                 | 1.50<br>2.00                 | 21.70<br>22.00               |                           |             |                      |                              |                              |                              |                              | 24.2<br>24.0                 | 67990                   |
| 3.30<br>0.00                 | 2.10<br>2.00                 | 15.40<br>12.00               |                           |             |                      |                              |                              |                              |                              | 16.0<br>12.0                 | 69240                   |
| 8.50<br>8.00                 | 1.80<br>4.00                 | 10.30<br>12.00               |                           |             | 2.15                 | 2.49<br>2.47                 | 3.02<br>3.00                 | 4.40<br>6.00                 | 1.71<br>6.00                 | 38.1<br>38.0                 | 67992                   |
| 0.10<br>0.00                 | 1.60<br>2.00                 | 11.70<br>12.00               |                           |             |                      |                              |                              |                              |                              | 12.1<br>12.0                 | 67993                   |
| 4.00<br>4.00                 | 2.40<br>2.00                 | 16.40<br>16.00               |                           |             |                      |                              |                              |                              |                              | 16.8<br>16.8                 | 67994                   |
| 6.90<br>16.00                | 2.00<br>2.00                 | 18.90<br>18.00               |                           |             |                      |                              |                              |                              |                              | 20.3<br>19.2                 | 68698                   |
| 10.20<br>10.00               | 2.10<br>4.00                 | 12.30<br>14.00               |                           |             | 2.00                 | 2.52<br>2.47                 | 3.06<br>3.00                 | 0.84<br>3.00                 | 2.33<br>3.00                 | 35.1<br>35.0                 | 68002                   |
| 10.50<br>10.00               | 1.50<br>2.00                 | 12.00<br>12.00               |                           |             |                      |                              |                              | 5.29<br>5.00                 |                              | 26.3<br>25.0                 | 68003                   |
| 20.20<br>20.00               | 1.50<br>2.00                 | 21.70<br>22.00               |                           |             |                      |                              |                              |                              |                              | 24.2<br>24.0                 | 68005                   |
| 7.80<br>7.90<br>7.80<br>8.00 | 1.80<br>1.30<br>1.20<br>1.00 | 9.60<br>9.20<br>9.00<br>9.00 |                           |             | 1.40<br>1.37<br>1.43 | 2.42<br>2.42<br>2.57<br>2.47 | 2.94<br>2.94<br>3.12<br>3.00 | 0.68<br>6.00<br>1.00<br>6.00 | 5.28<br>6.00<br>4.84<br>6.00 | 36.4<br>36.5<br>36.7<br>36.8 | 68700<br>68701<br>68989 |
| 8.10<br>8.00                 | 1.40<br>1.00                 | 9.50<br>9.00                 |                           |             | 1.91                 | 2.72<br>2.47                 | 3.30<br>3.00                 | 0.88<br>6.00                 | 4.92<br>6.00                 | 37.9<br>36.8                 | 68167                   |

TABLE I.

| Station Number          | Name and Address of Manufacturer and Name of Brand  | From Whom Obtained  |
|-------------------------|---|---|
| 68702<br>68703<br>68704 | <b>Armour Fertilizer Works, Louisville, Cincinnati, Nashville.</b><br>Big Crop Plant Bed Special..... | C. S. Brent Seed Co., Lexington.....<br>T. C. Tatum, Springfield.....<br>Harrodsburg Implement Co., Harrodsburg.....                          |
| 68990<br>69241          |   | R. T. Kirkman, Elkton.....<br>Humphry Bros., Bloomfield.....<br>Guaranteed.....   |
| 68705                   | † Big Crop Dark Tobacco Grower ..   | Farmers Supply Co., Hodgenville.....<br>Guaranteed.....   |
| 68160                   | Big Crop 2-16-2 Fertilizer.....   | Manufacturer.....<br>Guaranteed.....  |
| 68707                   | Big Crop 2-12-2 Fertilizer.....   | Taylor County Supply Co., Campbellsville.....<br>Guaranteed.....  |
| 68708<br>68992<br>69242 | Big Crop 2-10-4.....  | R. D. Taylor Feed and Supply Co., Ashland.....<br>Hudson and Farnau, Lancaster.....<br>Durham Implement Co., Danville.....<br>Guaranteed..... |
| 69243<br>69244          | Armour's 1-12-1 Fertilizer.....   | Taylor County Supply Co., Campbellsville.....<br>T. J. Turley Co., Owensboro.....<br>Guaranteed.....  |
| 68993<br>69245<br>69246 | Armour's 2-8-2 Fertilizer .....   | Cadiz Hardware Co., Cadiz.....<br>Taylor County Supply Co., Campbellsville.....<br>John P. Marriott, Cecilia.....<br>Guaranteed.....          |
| 68165                   | Armour's 2-12-0 Fertilizer .....  | Manufacturer.....<br>Guaranteed.....  |
| 68166                   | Armour's 1-8-1 Fertilizer.....  | Manufacturer.....<br>Guaranteed.....  |
| 68167                   | Big Crop 4-10-4 Fertilizer .....  | Manufacturer.....<br>Guaranteed.....  |

TABLE I.

| PHOSPHORIC ACID                  |                              |                                  | Percentage<br>Of Fineness |             | NITROGEN                     |                              | Equivalent to<br>Ammonia     | POTASH                       |                                      | Index of<br>Relative Value      | Station<br>Number       |
|----------------------------------|------------------------------|----------------------------------|---------------------------|-------------|------------------------------|------------------------------|------------------------------|------------------------------|--------------------------------------|---------------------------------|-------------------------|
| Available                        | Insoluble                    | Total                            | Fine Bone                 | Medium Bone | Water Soluble                | Total                        |                              | Muriate                      | Sulfate                              |                                 |                         |
| 3.10<br>7.60                     | 2.20<br>2.50                 | 10.30<br>10.10                   |                           |             | 2.23<br>2.08                 | 3.30<br>3.22                 | 4.01<br>3.91                 | 0.80<br>0.76                 | 2.15<br>2.30                         | 35.4<br>34.6                    | 68702<br>68703          |
| 7.80<br>8.60                     | 2.20<br>1.20                 | 10.00<br>9.80                    |                           |             | 1.83<br>2.10                 | 2.98<br>3.51                 | 3.62<br>4.26                 | 0.68<br>0.56                 | 2.76<br>2.25                         | 34.4<br>36.6                    | 68704<br>68990          |
| 8.05<br>8.00                     | 2.10<br>1.00                 | 10.15<br>9.00                    |                           |             | 2.02<br><br>3.29             | 3.09<br><br>4.00             | 3.75<br><br>4.00             | <br><br>3.00                 | 3.13<br><br>34.9                     | 34.6<br><br>34.9                | 69241                   |
| 7.90<br>8.00                     | 1.40<br>1.00                 | 9.30<br>9.00                     |                           |             | 0.93<br><br>1.65             | 1.76<br><br>2.00             | 2.14<br><br>2.00             | <br><br>3.67<br>4.00         | <br><br>28.6<br>28.7                 | <br><br>68705                   |                         |
| 16.90<br>16.00                   | 0.50<br>1.00                 | 17.40<br>17.00                   |                           |             | 2.07<br><br>1.65             | 2.07<br><br>1.65             | 2.51<br><br>2.00             | 2.62<br><br>2.00             | <br><br>41.1<br>36.7                 | <br><br>68160                   |                         |
| 12.30<br>12.00                   | 0.80<br>1.00                 | 13.10<br>13.00                   |                           |             | 1.15<br><br>1.65             | 1.52<br><br>1.65             | 1.85<br><br>2.00             | 2.03<br><br>2.00             | <br><br>30.4<br>30.7                 | <br><br>68707                   |                         |
| 10.10<br>10.15<br>10.40<br>10.00 | 0.70<br>0.70<br>0.65<br>1.00 | 10.80<br>10.85<br>11.05<br>11.00 |                           |             | 1.25<br>1.23<br>1.32<br>1.65 | 1.62<br>1.61<br>1.54<br>1.65 | 1.97<br>1.95<br>1.87<br>2.00 | 4.11<br>4.17<br>3.95<br>4.00 | <br><br>31.8<br>31.9<br>31.5<br>31.7 | <br><br>68708<br>68992<br>69242 |                         |
| 12.25<br>12.00<br>12.00          | 1.10<br>2.50<br>1.00         | 13.35<br>14.50<br>13.00          |                           |             | 0.60<br>0.77<br>0.82         | 0.82<br>0.97<br>1.00         | 1.00<br>1.18<br>1.00         | 1.04<br>1.47<br>1.00         | <br><br>25.0<br>26.8<br>24.5         | <br><br>69243<br>69244          |                         |
| 11.55<br>8.00<br>8.25<br>8.00    | 1.55<br>0.50<br>0.40<br>1.00 | 13.10<br>8.50<br>8.65<br>9.00    |                           |             | 1.88<br>1.35<br>1.17<br>1.65 | 2.25<br>1.64<br>1.46<br>1.65 | 2.73<br>1.99<br>1.77<br>2.00 | 2.68<br>1.28<br>1.28<br>2.00 | <br>0.78<br>0.74<br>24.7             | <br>24.5<br>23.9<br>24.7        | 68993<br>69245<br>69246 |
| 12.95<br>12.00                   | 1.95<br>1.00                 | 14.90<br>13.00                   |                           |             | 1.56<br><br>1.65             | 1.94<br><br>1.65             | 2.36<br><br>2.00             | <br><br>29.9<br>26.7         | <br><br>68165                        |                                 |                         |
| 9.10<br>8.00                     | 2.90<br>1.00                 | 12.00<br>9.00                    |                           |             | 0.75<br><br>0.82             | 0.95<br><br>0.82             | 1.15<br><br>1.00             | 1.32<br><br>1.00             | <br><br>22.2<br>18.5                 | <br><br>68166                   |                         |
| 10.60<br>10.00                   | 1.85<br>1.00                 | 12.40<br>11.00                   |                           |             | 2.81<br><br>3.29             | 3.37<br><br>3.29             | 4.09<br><br>4.00             | 4.51<br><br>4.00             | <br><br>42.5<br>39.9                 | <br><br>68167                   |                         |

TABLE I.

| Station Number                                     | Name and Address of Manufacturer and Name of Brand   | From Whom Obtained   |
|--|--|--|
| 69247<br>69249                                     | <b>Armour Fertilizer Works, Louisville, Cincinnati, Nashville.</b><br>†Big Crop Bone Meal..... | Anderson and Spilman, Danville<br>Big Four Co., Franklin<br>Guaranteed.....  |
| 68710<br>69250                                     | Big Crop Raw Bone.....   | C. S. Brent Seed Co., Lexington<br>Cayce-Yost Co., Hopkinsville<br>Guaranteed.....   |
| 68711<br>68712<br>68713<br>69251<br>69252<br>69253 | Big Crop 16% Acid Phosphate.....   | J. M. Gray, Tollesboro.....<br>Taylor County Supply Co., Campbells-<br>ville<br>Barren Co. Grocery and Hdw. Co.,<br>Glasgow<br>C. I. Vransteter, Glasgow<br>Johnson and Wilson, Auburn<br>Taylor County Supply Co., Campbells-<br>ville<br>Guaranteed..... |
| 68714<br>68997<br>68998<br>69255                   | Big Crop 20% Superphosphate.....   | Taylor County Supply Co., Campbells-<br>ville<br>Sam Terry, Big Clifty<br>Hudson and Farnau, Lancaster<br>The T. J. Turley Co., Owensboro<br>Guaranteed.....   |
| 69000<br>69257                                     | †Big Crop 4-16-4 Fertilizer.....   | D. M. Brakefield, Adairville<br>The T. J. Turley Co., Owensboro<br>Guaranteed.....   |
| 68174  | Big Crop 4-12-4 Fertilizer.....  | Manufacturer.....<br>Guaranteed.....   |
| 68175  | Big Crop High Grade Tobacco Grower.....  | Manufacturer.....<br>Guaranteed.....   |
| 69004  | Big Crop Black Patch Special.....  | D. M. Brakefield, Adairville<br>Guaranteed.....  |
| 68177  | Armour's Bonus "A" Humus.....  | *<br>Guaranteed.....   |
| 69005  | †Big Crop 2-12-6 Fertilizer.....   | Sweeney Bros., Lawrenceburg<br>Guaranteed.....   |

\* The manufacturer failed to furnish sample as required by law.



TABLE I.

| PHOSPHORIC ACID |           |                         | Percentage Of Fineness |             | NITROGEN      |                      | Equivalent to Ammonia | POTASH  |         | Index of Relative Value | Station Number |
|-----------------|-----------|-------------------------|------------------------|-------------|---------------|----------------------|-----------------------|---------|---------|-------------------------|----------------|
| Average         | Insoluble | Total                   | Fine Bone              | Medium Bone | Water Soluble | Total                |                       | Muriate | Sulfate |                         |                |
|                 |           | 27.30<br>27.75<br>27.00 | 71<br>72               | 29<br>28    |               | 2.38<br>2.69<br>2.47 | 2.89<br>3.27<br>3.00  |         |         | 33.7<br>35.7<br>34.0    | 69247<br>69249 |
|                 |           | 23.40<br>23.50<br>22.00 | 92<br>100              | 8           |               | 4.10<br>3.91<br>3.71 | 4.98<br>4.75<br>4.50  |         |         | 39.2<br>38.4<br>36.2    | 68710<br>69250 |
| 7.75            | 0.65      | 17.40                   |                        |             |               |                      |                       |         |         | 20.1                    | 68711          |
| 3.30            | 2.00      | 18.30                   |                        |             |               |                      |                       |         |         | 19.6                    | 68712          |
| 1.10            | 0.90      | 18.00                   |                        |             |               |                      |                       |         |         | 20.5                    | 68713          |
| 1.70            | 2.30      | 20.00                   |                        |             |               |                      |                       |         |         | 21.2                    | 69251          |
| 1.55            | 2.90      | 19.45                   |                        |             |               |                      |                       |         |         | 19.9                    | 69252          |
| 1.65            | 1.25      | 17.90                   |                        |             |               |                      |                       |         |         | 20.0                    | 69253          |
| 1.00            | 1.00      | 17.00                   |                        |             |               |                      |                       |         |         | 19.2                    |                |
| 0.90            | 0.70      | 21.60                   |                        |             |               |                      |                       |         |         | 25.1                    | 68714          |
| 0.90            | 0.50      | 20.40                   |                        |             |               |                      |                       |         |         | 23.9                    | 68997          |
| 1.30            | 0.20      | 21.50                   |                        |             |               |                      |                       |         |         | 25.6                    | 68998          |
| 1.30            | 0.90      | 22.20                   |                        |             |               |                      |                       |         |         | 25.6                    | 69255          |
| 0.00            | 1.00      | 21.00                   |                        |             |               |                      |                       |         |         | 24.0                    |                |
| 6.00            | 0.70      | 16.70                   |                        |             | 3.32          | 3.32                 | 4.03                  | 4.56    |         | 50.0                    | 69000          |
| 6.60            | 1.35      | 17.95                   |                        |             | 3.19          | 3.19                 | 3.87                  | 4.06    |         | 49.5                    | 69257          |
| 6.00            | 1.00      | 17.00                   |                        |             |               | 3.29                 | 4.00                  | 4.00    |         | 48.9                    |                |
| 2.90            | 1.80      | 14.70                   |                        |             | 3.40          | 3.72                 | 4.52                  | 5.34    |         | 49.4                    | 68174          |
| 2.00            | 1.00      | 13.00                   |                        |             |               | 3.29                 | 4.00                  | 4.00    |         | 42.9                    |                |
| 1.20            | 1.80      | 13.00                   |                        |             | 1.29          | 1.88                 | 2.28                  | 0.76    | 8.57    | 45.6                    | 68175          |
| 0.00            | 1.00      | 11.00                   |                        |             |               | 1.65                 | 2.00                  |         | 10.00   | 43.7                    |                |
| 8.50            | 2.55      | 11.05                   |                        |             | 1.71          | 2.36                 | 2.87                  | 0.92    | 5.04    | 37.6                    | 69004          |
| 8.00            | 1.00      | 9.00                    |                        |             |               | 2.47                 | 3.00                  |         | 6.00    | 36.8                    |                |
| 12.00           | 1.00      | 13.00                   |                        |             |               | 0.82                 | 1.00                  |         |         | 22.5                    | 68177          |
| 12.25           | 0.70      | 12.95                   |                        |             | 1.19          | 1.65                 | 2.00                  | 5.60    |         | 38.1                    | 69005          |
| 12.00           | 1.00      | 13.00                   |                        |             |               | 1.65                 | 2.00                  | 6.00    |         | 38.7                    |                |

TABLE I.

| Station Number          | Name and Address of Manufacturer and Name of Brand  | From Whom Obtained  |
|-------------------------|---|---|
| 68179                   | <b>Armour Fertilizer Works, Louisville, Cincinnati, Nashville.</b><br>Big Crop 0-14-4 Fertilizer..... | Manufacturer.....<br>Guaranteed.....  |
| 68180                   | Big Crop 0-10-10 Fertilizer.....  | Manufacturer.....<br>Guaranteed.....  |
| 68181                   | Armour's 1-8-4 Fertilizer.....  | Manufacturer.....<br>Guaranteed.....  |
| 69254                   | Ideal 16% Acid Phosphate.....   | The T. J. Turley Co., Owensboro.....<br>Guaranteed.....   |
| 68592                   | Ideal 17% Acid Phosphate.....   | Manufacturer.....<br>Guaranteed.....  |
| 68715                   | Armour's Champion.....  | Farmers Supply Co., Hodgenville.....<br>Guaranteed.....   |
| 68966                   | Big Crop 2-16-8 Fertilizer.....   | *.....<br>Guaranteed.....   |
| 69426                   | <b>The C. S. Brent Seed Co., Lexington, Ky.</b><br>Brent's Grain Grower.....                          | Manufacturer's Warehouse.....<br>Guaranteed.....  |
| 68717<br>69008          | <b>The Buhner Fertilizer Co., Seymour, Ind.</b><br>Buhner's 1-11-3.....                               | Farmers Supply Co., Loretto.....<br>Burnett and Horn, Vine Grove.....<br>Guaranteed.....  |
| 68718<br>69258<br>69259 | Buhner's $\frac{1}{2}$ -11-1.....   | Farmers Supply Co., Hodgenville.....<br>I. K. Miller and Sons, Campbellsville.....<br>J. S. McMurtry, Elizabethtown.....<br>Guaranteed..... |
| 68719                   | Buhner's 3-10-4.....  | Farmers Supply Co., Hodgenville.....<br>Guaranteed.....   |
| 68720                   | Buhner's 0-10-2.....  | Farmers Supply Co., Hodgenville.....<br>Guaranteed.....   |
| 69009                   | Buhner's 3-8-6 (Muriate).....   | Burnett and Horn, Vine Grove.....<br>Guaranteed.....  |

\* The manufacturer failed to furnish sample as required by law

TABLE I.

| PHOSPHORIC ACID                  |                              |                                  | Percentage<br>Of Fineness |             | NITROGEN      |                              | Equivalent to<br>Ammonia     | POTASH                       |         | Index of<br>Relative Value   | Station<br>Number       |
|----------------------------------|------------------------------|----------------------------------|---------------------------|-------------|---------------|------------------------------|------------------------------|------------------------------|---------|------------------------------|-------------------------|
| Available                        | Insoluble                    | Total                            | Fine Bone                 | Medium Bone | Water Soluble | Total                        |                              | Muriate                      | Sulfate |                              |                         |
| 1.15<br>1.00                     | 1.50<br>1.00                 | 16.65<br>15.00                   |                           |             |               |                              |                              | 4.24<br>4.00                 |         | 31.2<br>29.0                 | 68179                   |
| 1.35<br>1.00                     | 1.50<br>1.00                 | 11.85<br>11.00                   |                           |             |               |                              |                              | 11.18<br>10.00               |         | 37.9<br>35.0                 | 68180                   |
| 1.90<br>1.00                     | 2.60<br>1.00                 | 11.50<br>9.00                    |                           |             | 0.50          | 0.91<br>0.82                 | 1.10<br>1.00                 | 0.92<br>4.00                 | 3.03    | 26.8<br>24.5                 | 68181                   |
| 17.00<br>16.00                   | 2.40<br>1.00                 | 19.40<br>17.00                   |                           |             |               |                              |                              |                              |         | 20.4<br>19.2                 | 69254                   |
| 17.50<br>17.00                   | 0.60<br>1.00                 | 18.10<br>18.00                   |                           |             |               |                              |                              |                              |         | 21.0<br>20.4                 | 68592                   |
| 8.10<br>8.00                     | 0.70<br>1.00                 | 8.80<br>9.00                     |                           |             | 0.52          | 0.79<br>0.82                 | 0.96<br>1.00                 | 3.80<br>4.00                 |         | 24.0<br>24.5                 | 68715                   |
| 16.00                            | 1.00                         | 17.00                            |                           |             |               | 1.65                         | 2.00                         | 8.00                         |         | 48.7                         | 68966                   |
| 7.80<br>8.00                     | 0.70                         | 8.50                             |                           |             | 0.51          | 0.80<br>0.82                 | 0.97<br>1.00                 | 0.97                         | 1.00    | 17.9<br>18.1                 | 69426                   |
| 11.85<br>10.80<br>11.00          | 1.35<br>1.50<br>2.00         | 13.20<br>12.30<br>13.00          |                           |             | 0.47<br>0.33  | 0.88<br>0.89<br>0.82         | 1.07<br>1.08<br>1.00         | 2.70<br>3.15<br>3.00         |         | 28.1<br>27.6<br>27.4         | 68717<br>69008          |
| 10.70<br>11.80<br>12.20<br>11.00 | 1.30<br>0.90<br>0.80<br>2.00 | 12.00<br>12.70<br>13.00<br>13.00 |                           |             |               | 0.58<br>0.44<br>0.41<br>0.41 | 0.70<br>0.53<br>0.50<br>0.50 | 1.07<br>1.22<br>1.22<br>1.00 |         | 21.6<br>22.7<br>23.1<br>21.4 | 68718<br>69258<br>69259 |
| 9.55<br>10.00                    | 3.80<br>2.00                 | 13.35<br>12.00                   |                           |             | 1.04          | 2.40<br>2.47                 | 2.91<br>3.00                 | 4.20<br>4.00                 |         | 36.3<br>36.2                 | 68719                   |
| 9.60<br>10.00                    | 0.80<br>1.00                 | 10.40<br>11.00                   |                           |             |               |                              |                              | 1.95<br>2.00                 |         | 18.3<br>19.0                 | 68720                   |
| 8.90<br>8.00                     | 1.20<br>2.00                 | 10.10<br>10.00                   |                           |             | 1.82          | 2.44<br>2.47                 | 2.96<br>3.00                 | 6.25<br>6.00                 |         | 38.5<br>37.2                 | 69009                   |

TABLE I.

| Station Number | Name and Address of Manufacturer and Name of Brand                                     | From Whom Obtained  |
|----------------|--|---|
| 69261          | <b>The Buhner Fertilizer Co., Seymour, Ind.</b><br>Buhner's Raw Bone.....              | Farmers Supply Co., Loretto<br>Guaranteed.....            |
| 68724          | Buhner's 16%.....  | Farmers Supply Co., Loretto.....                          |
| 68725          |  | J. S. McMurtry, Elizabethtown.....                        |
| 69262          |  | J. S. McMurtry, Elizabethtown.....                        |
| 69263          |  | I. K. Miller and Sons, Campbellsville.<br>Guaranteed..... |
| 68726          | †Buhner's Special Crop Grower.....   | J. S. McMurtry, Elizabethtown.....                        |
| 68728          |  | A. W. Tarter, Columbia.....                               |
| 69264          |  | Farmers Supply Co., Loretto<br>Guaranteed.....            |
| 68536          | Buhner's Nitrate Soda.....   | Manufacturer.....<br>Guaranteed.....                      |
| 68537          | Buhner's Ground Bone.....  | Manufacturer.....<br>Guaranteed.....                      |
| 68538          | Buhner's 2-8-3.....  | Manufacturer.....<br>Guaranteed.....                      |
| 68957          | Buhner's 2-8-6.....  | Manufacturer.....<br>Guaranteed.....                      |
| 69206          | Buhner's 4-16-4.....   | Manufacturer.....<br>Guaranteed.....                      |
| 69207          | Buhner's 0-10-5.....   | Manufacturer.....<br>Guaranteed.....                      |
| 68729          | <b>Calumet Fertilizer Co., New Albany, Ind.</b><br>Calumet Br. 16% Acid Phosphate..... | Geo. W. Richardson, Somerset.....                         |
| 68730          |  | A. W. Tarter, Columbia.....                               |
| 69010          |  | Patrick Dillon, Hardinsburg.....                          |
| 69265          |  | J. H. Jasper, W. Somerset.....                            |
| 69266          |  | Geo. Richardson, Somerset.<br>Guaranteed.....             |
| 69267          | Calumet Br. 20% Acid Phosphate.....  | L. Montgomery, Greensburg<br>Guaranteed.....              |





TABLE I.

| Station Number          | Name and Address of Manufacturer and Name of Brand | From Whom Obtained   |
|-------------------------|--|--|
|                         | <b>Calumet Fertilizer Co., New Albany, Ind.</b>    |  |
| 68731                   | †Calumet Br. 2-12-2                                | G. W. Richardson, Somerset<br>Guaranteed   |
| 69269                   | Calumet Br. 2-12-6                                 | J. H. Jasper, W. Somerset<br>Guaranteed  |
| 68281                   | Calumet Br. Potato and Tobacco Special             | *<br>Guaranteed  |
| 69011<br>69012<br>69270 | Calumet Br. Corn and Wheat Special                 | H. C. Baughman, Stanford<br>Barnett Bros. Hdw. Co., London<br>B. G. Taylor, Monticello<br>Guaranteed |
| 68283                   | Calumet Br. Otto Voyles Two in One                 | *<br>Guaranteed  |
| 68732<br>69013          | †Calumet Br. Kentucky Tobacco Grower               | G. W. and W. T. Spaun, Monticello<br>Patrick Dillon, Hardinsburg<br>Guaranteed                       |
| 68285                   | Calumet Br. High Grade Tobacco and Truck Grower    | *<br>Guaranteed  |
| 69014<br>69271          | Calumet Br. Onion and Tobacco Grower               | Farmers Supply Co., Williamsburg<br>J. H. Jasper, W. Somerset<br>Guaranteed                          |
| 69272                   | Calumet Br. Crop Grower                            | J. H. Jasper, W. Somerset<br>Guaranteed  |
| 69274                   | Calumet Br. Half and Half                          | Vine Grove Feed Co., Vine Grove<br>Guaranteed  |
| 68497                   | Calumet Br. Tobacco Grower                         | *<br>Guaranteed  |

\* The manufacturer failed to furnish sample as required by law.

TABLE I.

| PHOSPHORIC ACID          |                              |                                  | Percentage<br>Of Fineness |             | NITROGEN             |                              | Equivalent to<br>Ammonia     | POTASH                       |         | Index of<br>Relative Value   | Station<br>Number       |
|--------------------------|------------------------------|----------------------------------|---------------------------|-------------|----------------------|------------------------------|------------------------------|------------------------------|---------|------------------------------|-------------------------|
|                          | Insoluble                    | Total                            | Fine Bone                 | Medium Bone | Water Soluble        | Total                        |                              | Muriate                      | Sulfate |                              |                         |
| 1.30<br>1.00             | 3.80<br>4.00                 | 15.60<br>16.00                   |                           |             | 0.81                 | 1.55<br>1.65                 | 1.88<br>2.00                 | 1.94<br>2.00                 |         | 30.9<br>31.9                 | 68731                   |
| 1.05<br>1.00             | 2.10<br>4.00                 | 14.15<br>16.00                   |                           |             | 0.82                 | 1.63<br>1.65                 | 1.98<br>2.00                 | 5.90<br>6.00                 |         | 38.9<br>39.9                 | 69269                   |
|                          | 4.00                         | 12.00                            |                           |             |                      | 1.65                         | 2.00                         | 5.00                         |         | 31.9                         | 68281                   |
| .15<br>.20<br>.80<br>.00 | 2.25<br>2.40<br>1.80<br>4.00 | 10.40<br>10.60<br>11.60<br>12.00 |                           |             | 1.03<br>0.69<br>0.78 | 1.89<br>1.63<br>1.59<br>1.65 | 2.29<br>1.98<br>1.93<br>2.00 | 2.74<br>2.12<br>1.93<br>2.00 |         | 28.1<br>25.7<br>27.2<br>25.9 | 69011<br>69012<br>69270 |
|                          | 4.00                         | 20.00                            |                           |             |                      | 1.65                         | 2.00                         | 2.00                         |         | 37.9                         | 68283                   |
| .35<br>.20<br>.00        | 3.20<br>2.20<br>4.00         | 10.55<br>10.40<br>12.00          |                           |             | 0.73<br>0.74         | 1.52<br>1.53<br>1.65         | 1.85<br>1.86<br>2.00         | 9.28<br>7.97<br>8.00         |         | 38.5<br>36.8<br>37.9         | 68732<br>69013          |
| 0.00                     | 4.00                         | 14.00                            |                           |             |                      | 2.47                         | 3.00                         | 4.00                         |         | 37.0                         | 68285                   |
| 3.50<br>0.80<br>3.00     | 2.00<br>1.35<br>4.00         | 10.50<br>11.15<br>12.00          |                           |             | 0.37<br>0.47         | 0.78<br>1.02<br>0.82         | 0.95<br>1.24<br>1.00         | 3.18<br>3.48<br>3.00         |         | 23.8<br>27.3<br>23.7         | 69014<br>69271          |
| 3.90<br>3.00             | 1.65<br>4.00                 | 15.55<br>12.00                   |                           |             | 0.56                 | 1.21<br>0.82                 | 1.47<br>1.00                 | 1.93<br>1.00                 |         | 31.4<br>19.7                 | 69272                   |
| 9.50<br>6.00             | 2.65<br>6.00                 | 12.15<br>12.00                   |                           |             | 0.81                 | 1.88<br>2.06                 | 2.28<br>2.50                 | 1.57<br>1.00                 |         | 27.9<br>23.7                 | 69274                   |
| 3.00                     | 4.00                         | 12.00                            |                           |             |                      | 2.47                         | 3.00                         | 6.00                         |         | 38.0                         | 68497                   |

| Station<br>Number | Name and Address of Manufacturer<br>and Name of Brand | From Whom Obtained  |
|-------------------|---|---|
|                   | <b>Consolidated Chemical Co., Louisville,<br/>Ky.</b> |   |
| 68736             | Camel Br. Extra High Grade Phos-<br>phate.....        | G. B. Pruitt, Moreland<br>Guaranteed.....                                 |
| 69276             | Camel Br. Harvest King.....                           | Lonnie Jackson, Caneyville<br>Guaranteed.....                             |
| 68133             | Camel Br. High Grade Fertilizer.....                  | Manufacturer.....<br>Guaranteed.....                                      |
| 69021<br>69278    | Camel Br. High Grade Phosphate.....                   | W. G. Kirk, Fordsville<br>E. S. Ferrill & Son, Buffalo<br>Guaranteed..... |
| 68139             | Camel Br. Acid Phosphate.....                         | Manufacturer.....<br>Guaranteed.....                                      |
| 68964             | Camel Br. Steamed Bone Meal.....                      | Manufacturer.....<br>Guaranteed.....                                      |
|                   | <b>Duncan and Sherley, LaGrange, Ky.</b>              |   |
| 69022             | Tiger Br. Phosphate and Tankage.....                  | Manufacturer's Warehouse<br>Guaranteed.....                               |
| 69023             | Tiger Br. Potato Grower.....                          | Manufacturer's Warehouse<br>Guaranteed.....                               |
| 69024             | Tiger Br. Corn and Wheat Grower.....                  | Manufacturer's Warehouse<br>Guaranteed.....                               |
| 69025             | Tiger Br. A-1 Tobacco Grower.....                     | Manufacturer's Warehouse<br>Guaranteed.....                               |
| 69026             | Tiger Br. Special Tobacco Grower.....                 | Manufacturer's Warehouse<br>Guaranteed.....                               |
|                   | <b>The Empire Guano Co., Nashville,<br/>Tenn.</b>     |   |
| 68037             | High Grade Acid Phosphate.....                        | Manufacturer.....<br>Guaranteed.....                                      |

TABLE I.

| PHOSPHORIC ACID      |                      |                         | Percentage<br>Of Fineness |             | NITROGEN      |              | Equivalent to<br>Ammonia | POTASH       |         | Index of<br>Relative Value | Station<br>Number |
|----------------------|----------------------|-------------------------|---------------------------|-------------|---------------|--------------|--------------------------|--------------|---------|----------------------------|-------------------|
| Available            | Insoluble            | Total                   | Fine Bone                 | Medium Bone | Water Soluble | Total        |                          | Muriate      | Sulfate |                            |                   |
| 1.30<br>1.00         | 1.80<br>2.00         | 20.10<br>20.00          |                           |             |               |              |                          |              |         | 22.0<br>21.6               | 68736             |
| 0.80<br>3.00         | 1.00<br>4.00         | 10.80<br>12.00          |                           |             | 0.75          | 1.03<br>0.82 | 1.25<br>1.00             | 2.34<br>2.00 |         | 24.9<br>21.7               | 69276             |
| 0.70<br>2.00         | 0.60<br>4.00         | 11.30<br>14.00          |                           |             | 0.95          | 1.75<br>1.65 | 2.12<br>2.00             |              |         | 25.0<br>24.9               | 68133             |
| 8.15<br>8.30<br>6.00 | 0.15<br>0.70<br>2.00 | 18.30<br>19.00<br>18.00 |                           |             |               |              |                          |              |         | 21.8<br>22.0<br>19.2       | 69021<br>69278    |
| 5.60<br>4.00         | 0.70<br>2.00         | 16.30<br>16.00          |                           |             |               |              |                          |              |         | 18.7<br>16.8               | 68139             |
|                      |                      | 25.65<br>24.00          | 69                        | 31          |               | 2.48<br>2.47 | 3.01<br>3.00             |              |         | 32.9<br>31.6               | 68964             |
| 12.50<br>12.00       | 1.50<br>2.00         | 14.00<br>14.00          |                           |             | 0.44          | 0.93<br>0.82 | 1.13<br>1.00             |              |         | 24.0<br>22.9               | 69022             |
| 11.20<br>10.00       | 3.20<br>2.00         | 14.40<br>12.00          |                           |             | 1.84          | 2.95<br>3.29 | 3.58<br>4.00             | 4.11         | 4.00    | 41.1<br>40.3               | 69023             |
| 10.80<br>10.00       | 2.00<br>2.00         | 12.80<br>12.00          |                           |             | 0.23          | 0.60<br>0.41 | 0.73<br>0.50             |              |         | 20.0<br>17.9               | 69024             |
| 8.20<br>8.00         | 3.10<br>2.00         | 11.30<br>10.00          |                           |             | 1.55          | 2.60<br>2.47 | 3.16<br>3.00             | 6.83         | 6.00    | 40.2<br>37.2               | 69025             |
| 10.10<br>10.00       | 2.20<br>2.00         | 12.30<br>12.00          |                           |             | 1.22          | 2.01<br>1.65 | 2.44<br>2.00             | 5.16         | 4.00    | 36.7<br>32.1               | 69026             |
| 14.70<br>14.00       | 7.00<br>4.00         | 21.70<br>18.00          |                           |             |               |              |                          |              |         | 17.6<br>16.8               | 68037             |



TABLE I.

| Station Number | Name and Address of Manufacturer and Name of Brand  | From Whom Obtained                        |
|----------------|---|---|
|                | <b>The Empire Guano Co., Nashville, Tenn.</b>       |   |
| 68737          | Climax Acid Phosphate.....                          | G. M. Stevenson, Columbia.....            |
| 68738          |   | Darnell and Combess, Russell Springs..... |
| 69279          |   | G. M. Stevenson, Columbia.....            |
|                |   | Guaranteed.....                           |
| 68039          | Premium Acid Phosphate.....                         | Manufacturer.....                         |
|                |   | Guaranteed.....                           |
| 68040          | High Grade Potash Mixture.....                      | Manufacturer.....                         |
|                |   | Guaranteed.....                           |
| 68041          | Blood, Bone and Potash.....                         | Manufacturer.....                         |
|                |   | Guaranteed.....                           |
| 68739          | Climax Tobacco Grower.....                          | Darnell and Combess, Russell Springs..... |
|                |   | Guaranteed.....                           |
| 69028          | Red Banner Tobacco Grower.....                      | Miner Denton, Hillsboro.....              |
|                |   | Guaranteed.....                           |
| 68044          | High Grade Tobacco Grower.....                      | Manufacturer.....                         |
|                |   | Guaranteed.....                           |
| 68045          | Ky. Tobacco and Truck Grower.....                   | Manufacturer.....                         |
|                |   | Guaranteed.....                           |
| 68740          | Ky. Premium Guano.....                              | G. M. Stevenson, Columbia.....            |
| 68741          |   | C. I. Medaris, Esto.....                  |
|                |   | Guaranteed.....                           |
| 68047          | Wheat and Corn Grower.....                          | Manufacturer.....                         |
|                |   | Guaranteed.....                           |
| 68048          | Half and Half.....                                  | Manufacturer.....                         |
|                |   | Guaranteed.....                           |
| 68049          | Pure Raw Bone Meal.....                             | Manufacturer.....                         |
|                |   | Guaranteed.....                           |
| 69199          | Superb Golden Harvest.....                          | Manufacturer.....                         |
|                |   | Guaranteed.....                           |
|                | <b>The Evansville Packing Co., Evansville, Ind.</b> |   |
| 69280          | High Grade Acid Phosphate.....                      | Eldred Hardware Co., Princeton.....       |
| 69029          |   | Atherton, Kidd and Co., Livermore.....    |
|                |   | Guaranteed.....                           |

TABLE I.

[illegible]

TABLE I.

| Station<br>Number | Name and Address of Manufacturer<br>and Name of Brand                    | From Whom Obtained   |
|-------------------|--|--|
| 68061             | <b>The Evansville Packing Co., Evansville,<br/>Ind.</b><br>Grain Booster | Manufacturer<br>Guaranteed   |
| 68062             | Golden Harvest   | Manufacturer<br>Guaranteed   |
| 69030             | Phosphate and Potash Special   | Atherton, Kidd and Co., Livermore<br>Guaranteed                                    |
| 68064             | Wonder Growth  | Manufacturer<br>Guaranteed   |
| 69281<br>69031    | Three "B"  | Eldred Hardware Co., Princeton<br>Lambert Gresham Hdw. Co., Henderso<br>Guaranteed |
| 68066             | Potato and Tobacco Grower  | Manufacturer<br>Guaranteed   |
| 68067             | Tobacco Booster  | Manufacturer<br>Guaranteed   |
| 68068             | Special Ten-Ten  | Manufacturer<br>Guaranteed   |
| 68069             | Half and Half Mixture  | Manufacturer<br>Guaranteed   |
| 68071             | Tobacco Special  | Manufacturer<br>Guaranteed   |
| 68072             | Corn and Wheat Special   | Manufacturer<br>Guaranteed   |
| 68073             | Farmers Special  | Manufacturer<br>Guaranteed   |
| 68074             | Vegetable Special  | Manufacturer<br>Guaranteed   |
| 68075             | Pure Raw Bone  | Manufacturer<br>Guaranteed   |
| 69198             | Superb Corn and Wheat Special  | Manufacturer<br>Guaranteed   |

TABLE I.

| PHOSPHORIC ACID |                | Percentage Of Fineness |             | NITROGEN      |              | Equivalent to Ammonia | POTASH       |                | Index of Relative Value | Station Number |
|-----------------|----------------|------------------------|-------------|---------------|--------------|-----------------------|--------------|----------------|-------------------------|----------------|
| Insoluble       | Total          | Fine Bone              | Medium Bone | Water Soluble | Total        |                       | Muriate      | Sulfate        |                         |                |
| 1.20            | 17.30          |                        |             | 2.15          | 2.15<br>0.82 | 2.61<br>1.00          |              | 3.30<br>1.00   | 42.0<br>18.1            | 68061          |
| 0.70            | 13.20          |                        |             | 2.21          | 2.21<br>0.82 | 2.68<br>1.00          | 0.68         | 5.33<br>3.00   | 42.1<br>22.1            | 68062          |
| 2.20            | 11.70          |                        |             |               |              |                       | 4.09         | 4.00           | 22.4<br>23.0            | 69030          |
| 1.00            | 17.20          |                        |             | 3.66          | 3.66<br>1.65 | 4.44<br>2.00          |              |                | 43.0<br>23.3            | 68064          |
| 1.80            | 11.25          |                        |             | 0.73          | 1.38         | 1.68                  | 2.22         |                | 26.2                    | 69281          |
| 1.80            | 10.30          |                        |             | 0.88          | 1.86<br>1.65 | 2.26<br>2.00          | 2.13         | 2.00           | 27.0<br>24.3            | 69031          |
| 0.40            | 8.70           |                        |             | 2.06          | 2.06<br>1.65 | 2.50<br>2.00          | 2.68         | 3.41<br>5.00   | 35.1<br>30.3            | 68066          |
| 0.70            | 10.40          |                        |             | 2.91          | 3.26<br>2.47 | 3.96<br>3.00          |              | 8.61<br>6.00   | 48.4<br>36.4            | 68067          |
| 0.70            | 12.30          |                        |             |               |              |                       |              | 11.19<br>10.00 | 39.8<br>35.0            | 68068          |
| 0.50            | 15.80          |                        |             | 3.42          | 3.42<br>2.47 | 4.15<br>3.00          |              | 3.40<br>1.00   | 47.1<br>29.4            | 68069          |
| 0.50            | 12.80          |                        |             | 3.78          | 3.78<br>3.29 | 4.59<br>4.00          | 0.56         | 5.49<br>4.00   | 49.7<br>39.5            | 68071          |
| 1.00            | 17.10          |                        |             | 1.48          | 1.70<br>0.82 | 2.06<br>1.00          |              | 4.98<br>3.00   | 43.0<br>28.1            | 68072          |
| 0.80            | 16.40          |                        |             | 2.41          | 2.41<br>1.65 | 2.93<br>2.00          |              | 3.93<br>2.00   | 43.6<br>30.3            | 68073          |
| 0.70            | 14.10          |                        |             | 1.73          | 2.04<br>1.65 | 2.48<br>2.00          |              | 7.40<br>6.00   | 45.4<br>38.3            | 68074          |
|                 | 25.30<br>23.00 | 57                     | 43          |               | 3.76<br>3.71 | 4.56<br>4.50          |              |                | 39.0<br>37.0            | 68075          |
| 1.55            | 14.00          |                        |             | 0.47          | 1.09<br>0.82 | 1.32<br>1.00          | 3.14<br>3.00 |                | 31.0<br>28.1            | 69198          |

| Station<br>Number | Name and Address of Manufacturer<br>and Name of Brand                                     | From Whom Obtained  |
|-------------------|---|---|
| 69200             | <b>The Evansville Packing Co., Evansville,<br/>Ind.</b><br>Superb 18% Acid Phosphate..... | Manufacturer.....<br>Guaranteed.....  |
| 69201             | Superb 16% Acid Phosphate.....  | Manufacturer.....<br>Guaranteed.....  |
| 69202             | Superb Raw Bone.....  | Manufacturer.....<br>Guaranteed.....  |
| 69203             | Superb Steam Bone.....  | Manufacturer.....<br>Guaranteed.....  |
| 68637             | <b>Farmers Fertilizer Co., Montgomery,<br/>Ala.</b><br>Farmers Acid Phosphate.....        | Manufacturer.....<br>Guaranteed.....  |
| 68638             | Farmers Peerless Mixture.....   | Manufacturer.....<br>Guaranteed.....  |
| 68639             | Farmers Omega Guano.....  | Manufacturer.....<br>Guaranteed.....  |
| 68640             | Farmers Blood and Bone.....   | Manufacturer.....<br>Guaranteed.....  |
| 68308             | <b>Federal Chemical Co., Inc., Louisville,<br/>Ky.</b><br>Standard Grain Grower.....      | Manufacturer.....<br>Guaranteed.....  |
| 69282<br>69034    | Ammoniated Potash Ten .....   | Guenther Hardware Co., Owensboro<br>Wilson Hdw. and Lumber Co., Ford<br>ville.....<br>Guaranteed..... |
| 69035             | Tobacco, Truck and Tomato Fertilizer.....   | W. S. Overstreet, LaGrange.....<br>Guaranteed.....  |
| 68311             | Potato Maker and Tobacco Fertilizer.....  | Manufacturer.....<br>Guaranteed.....  |
| 68742             | †Standard Corn and Wheat Grower.....  | Farmers Feed Co., Lebanon.....<br>Guaranteed.....   |



TABLE I.

| PHOSPHORIC ACID |              |                | Percentage<br>Of Fineness |             | NITROGEN      |              | Equivalent to<br>Ammonia | POTASH         |         | Index of<br>Relative Value | Station<br>Number |
|-----------------|--------------|----------------|---------------------------|-------------|---------------|--------------|--------------------------|----------------|---------|----------------------------|-------------------|
| Insoluble       | Total        |                | Fine Bone                 | Medium Bone | Water Soluble | Total        |                          | Muriate        | Sulfate |                            |                   |
| 15<br>80        | 3.45         | 24.50          |                           |             |               |              |                          |                |         | 25.3<br>21.6               | 69200             |
| 80<br>60        | 3.40         | 21.60          |                           |             |               |              |                          |                |         | 21.8<br>19.2               | 69201             |
|                 |              | 20.10<br>20.00 | 89                        | 11          |               | 3.95<br>3.29 | 4.80<br>4.00             |                |         | 35.8<br>32.5               | 69202             |
|                 |              | 30.70<br>30.00 | 68                        | 32          |               | 1.20<br>0.82 | 1.46<br>1.00             |                |         | 30.6<br>28.1               | 69203             |
| 820<br>600      | 1.20         | 19.40          |                           |             |               |              |                          |                |         | 21.8<br>19.2               | 68637             |
| 90<br>80        | 1.00         | 10.90          |                           |             | 2.30          | 2.76<br>2.47 | 3.35<br>3.00             | 6.55<br>6.00   |         | 42.2<br>36.4               | 68638             |
| 1070<br>1000    | 1.10         | 11.80          |                           |             | 1.87          | 2.56<br>2.47 | 3.11<br>3.00             | 4.36<br>3.00   |         | 38.0<br>33.4               | 68639             |
| 1330<br>1200    | 1.90         | 14.20          |                           |             | 1.59          | 1.88<br>1.65 | 2.28<br>2.00             | 3.05<br>2.00   |         | 34.7<br>30.3               | 68640             |
| 1130<br>1000    | 2.20<br>2.00 | 16.50<br>12.00 |                           |             | 1.18          | 1.18<br>0.82 | 1.43<br>1.00             | 1.93<br>1.00   |         | 32.1<br>21.9               | 68308             |
| 70              | 2.40         | 12.10          |                           |             | 0.82          | 1.28         | 1.55                     | 9.54           |         | 41.0                       | 69282             |
| 800<br>600      | 1.50<br>2.00 | 9.50<br>10.00  |                           |             | 0.42          | 1.02<br>0.82 | 1.24<br>1.00             | 10.07<br>10.00 |         | 37.8<br>36.9               | 69034             |
| 40<br>00        | 1.60<br>2.00 | 11.00<br>11.00 |                           |             | 0.98          | 1.60<br>1.65 | 1.94<br>2.00             | 1.08<br>1.00   | 0.38    | 25.7<br>24.6               | 69035             |
| 30<br>00        | 2.20<br>2.00 | 15.50<br>11.00 |                           |             | 2.25          | 2.25<br>1.65 | 2.73<br>2.00             | 1.56<br>1.00   |         | 35.2<br>24.6               | 68311             |
| 85<br>00        | 0.45<br>2.00 | 9.30<br>10.00  |                           |             | 1.02          | 1.74<br>1.65 | 2.11<br>2.00             | 2.15<br>2.00   |         | 26.5<br>25.1               | 68742             |

| Station Number          | Name and Address of Manufacturer and Name of Brand                                       | From Whom Obtained  |
|-------------------------|--|---|
| 68313                   | <b>Federal Chemical Co., Inc., Louisville, Ky.</b><br>Premium High Grade Fertilizer..... | Manufacturer.....<br>Guaranteed.....  |
| 69036<br>69037          | †Special Tobacco Maker.....  | Owen Hulett, Williamstown.....<br>L. R. Hart, Big Clifty.....<br>Guaranteed.....  |
| 68744                   | Beef, Blood and Bone.....  | Grayson County Supply Co., Leitchfield.....<br>Guaranteed.....  |
| 69285<br>69427<br>69038 | Loam Land Fertilizer.....  | Farm Bureau, Florence.....<br>City Feed and Flour Co., Mayfield.....<br>J. S. Noe, Stanford.....<br>Guaranteed.....           |
| 69039                   | †Mid-West High Grade Mixture.....  | Smith and Watkins, Adairville.....<br>Guaranteed.....   |
| 69040                   | 2-8-5 Tobacco Fertilizer.....  | Farmers Supply Co., Williamsburg.....<br>Guaranteed.....  |
| 68746<br>68747<br>69041 | †Plant Bed Special.....  | Farmers Feed Co., Lebanon.....<br>J. C. Everett and Co., Maysville.....<br>W. S. Overstreet, LaGrange.....<br>Guaranteed..... |
| 68748<br>68749          | Special Tobacco and Potato Grower.....   | Smith and Smith Co., Shepherdsville.....<br>Lake Bros., Springfield.....<br>Guaranteed.....                                   |
| 69043<br>69044          | †Ky. Tobacco and Potato Grower.....  | W. W. Cornett, Poor Fork.....<br>S. A. Browning, Vanceburg.....<br>Guaranteed.....  |
| 68322                   | High Grade Tobacco Grower.....   | Manufacturer.....<br>Guaranteed.....  |
| 68323                   | Tip Top Potato Grower.....   | Manufacturer.....<br>Guaranteed.....  |
| 68324                   | A-1 Fertilizer.....  | Manufacturer.....<br>Guaranteed.....  |
| 69045<br>69046          | A-1 Corn and Wheat Fertilizer.....   | Cub Russell, Stanford.....<br>T. H. O'Bryan, Dawson Springs.....<br>Guaranteed.....   |

TABLE I.

| PHOSPHORIC ACID              |                                  | Percentage Of Fineness |             | NITROGEN                     |                              | Equivalent to Ammonia        | POTASH                       |                              | Index of Relative Value      | Station Number          |
|------------------------------|----------------------------------|------------------------|-------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|-------------------------|
| Insoluble                    | Total                            | Fine Bone              | Medium Bone | Water Soluble                | Total                        |                              | Muriate                      | Sulfate                      |                              |                         |
| 1.60<br>2.00                 | 15.30<br>12.00                   |                        |             | 2.11<br>1.65                 | 2.11<br>1.65                 | 2.56<br>2.00                 | 3.27<br>2.00                 |                              | 38.3<br>28.1                 | 68313                   |
| 1.30<br>1.70<br>2.00         | 11.30<br>11.60<br>12.00          |                        |             | 1.53<br>1.27<br>1.65         | 2.09<br>1.78<br>1.65         | 2.54<br>2.16<br>2.00         | 1.76<br>2.01<br>2.00         | 1.21                         | 31.9<br>28.5<br>28.1         | 69036<br>69037          |
| 0.60<br>2.00                 | 12.15<br>12.00                   |                        |             | 0.43<br>1.65                 | 1.69<br>1.65                 | 2.05<br>2.00                 | 2.02<br>2.00                 |                              | 30.1<br>28.1                 | 68744                   |
| 2.90<br>1.25<br>0.60<br>2.00 | 14.20<br>14.55<br>12.50<br>14.00 |                        |             | 1.12<br>0.70<br>0.67<br>1.65 | 1.74<br>1.49<br>1.89<br>1.65 | 2.11<br>1.81<br>2.29<br>2.00 | 2.15<br>2.07<br>2.92<br>2.00 |                              | 31.1<br>32.0<br>33.4<br>31.1 | 69285<br>69427<br>69038 |
| 3.10<br>2.00                 | 14.00<br>12.00                   |                        |             | 0.52<br>1.65                 | 1.62<br>1.65                 | 1.97<br>2.00                 | 4.29                         | 4.00                         | 34.3<br>32.1                 | 69039                   |
| 0.80<br>2.00                 | 10.00<br>10.00                   |                        |             | 0.46<br>1.65                 | 1.48<br>1.65                 | 1.80<br>2.00                 | 4.52<br>5.00                 | 0.52                         | 31.6<br>31.1                 | 69040                   |
| 0.40<br>0.45<br>2.00<br>2.00 | 11.90<br>11.30<br>12.10<br>12.00 |                        |             | 1.47<br>1.60<br>1.81<br>2.47 | 2.42<br>2.61<br>2.43<br>2.47 | 2.94<br>3.17<br>2.95<br>3.00 | 1.00<br>1.36<br>0.72<br>3.00 | 2.73<br>1.99<br>2.49<br>3.00 | 37.0<br>36.2<br>34.5<br>34.2 | 68746<br>68747<br>69041 |
| 0.30<br>0.35<br>2.00         | 9.25<br>8.30<br>10.00            |                        |             | 1.78<br>1.35<br>2.47         | 2.64<br>2.42<br>2.47         | 3.20<br>2.94<br>3.00         | 1.04<br>0.80                 | 5.03<br>5.70<br>6.00         | 38.9<br>37.2<br>37.2         | 68748<br>68749          |
| 0.70<br>1.15<br>2.00         | 9.45<br>10.60<br>10.00           |                        |             | 1.35<br>1.10<br>2.47         | 2.40<br>2.08<br>2.47         | 2.91<br>2.53<br>3.00         | 5.88<br>5.60<br>6.00         | 0.45<br>0.46                 | 38.1<br>37.2<br>37.2         | 69043<br>69044          |
| 1.30<br>2.00                 | 14.20<br>10.00                   |                        |             | 3.86<br>3.29                 | 3.86<br>3.29                 | 4.69<br>4.00                 |                              | 4.51<br>4.00                 | 48.2<br>37.3                 | 68322                   |
| 0.60<br>2.00                 | 13.30<br>12.00                   |                        |             | 4.63<br>3.29                 | 4.63<br>3.29                 | 5.62<br>4.00                 |                              | 6.30<br>4.00                 | 55.0<br>40.3                 | 68323                   |
| 1.50<br>2.00                 | 17.60<br>14.00                   |                        |             | 1.60<br>0.82                 | 1.60<br>0.82                 | 1.94<br>1.00                 |                              |                              | 32.8<br>22.9                 | 68324                   |
| 1.30<br>1.20<br>2.00         | 17.20<br>16.20<br>16.00          |                        |             | 0.27<br>0.73<br>0.82         | 0.82<br>0.73<br>0.82         | 1.00<br>0.89<br>1.00         |                              |                              | 28.5<br>26.6<br>25.9         | 69045<br>69046          |

| Station Number                   | Name and Address of Manufacturer and Name of Brand                | From Whom Obtained  |
|----------------------------------|---|---|
| 68326                            | <b>Federal Chemical Co., Inc., Louisville, Ky.</b><br>A-1 Formula | Manufacturer<br>Guaranteed  |
| 68327                            | High Grade Fertilizer   | Manufacturer<br>Guaranteed  |
| 68328                            | A-1 Soluble Vegetable Manure                                      | Manufacturer<br>Guaranteed  |
| 68329                            | A-1 Potato Grower   | Manufacturer<br>Guaranteed  |
| 68330                            | A-1 Extra Tobacco Special   | Manufacturer<br>Guaranteed  |
| 68331                            | Standard Meal Mixture   | Manufacturer<br>Guaranteed  |
| 68332                            | Potash Special  | Manufacturer<br>Guaranteed  |
| 68334                            | Potash Compound   | Manufacturer<br>Guaranteed  |
| 68335                            | Black Land Special  | Manufacturer<br>Guaranteed  |
| 68750<br>68751<br>68752<br>69288 | 20% Phosphate   | S. A. Browning, Vanceburg<br>H. D. Jones, Glasgow<br>T. Z. Leachman, Greensburg<br>A. W. Tarter, Columbia<br>Guaranteed |
| 68338                            | A. A. Phosphate   | Manufacturer<br>Guaranteed  |
| 68754<br>69289<br>69290          | †Pure Bone  | The Big Four Co., Franklin<br>The Big Four Co., Franklin<br>Grayson County Supply Co., Leitchfield<br>Guaranteed        |
| 68755<br>69291<br>69049          | Nitrate of Soda   | I. K. Miller and Sons, Campbellsville<br>Guenther Hdw. Co., Owensboro<br>T. J. Whittinghill, Fordsville<br>Guaranteed   |

TABLE I.

| PHOSPHORIC ACID              |                                  | Percentage Of Fineness |                | NITROGEN      |                                  | Equivalent to Ammonia            | POTASH       |         | Index of Relative Value              | Station Number                   |
|------------------------------|----------------------------------|------------------------|----------------|---------------|----------------------------------|----------------------------------|--------------|---------|--------------------------------------|----------------------------------|
| Insoluble                    | Total                            | Fine Bone              | Medium Bone    | Water Soluble | Total                            |                                  | Muriate      | Sulfate |                                      |                                  |
| 1.50<br>2.00                 | 16.00<br>12.00                   |                        |                | 2.85          | 2.85<br>1.65                     | 3.46<br>2.00                     |              |         | 36.6<br>24.1                         | 68326                            |
| 1.35<br>2.00                 | 16.80<br>14.00                   |                        |                | 2.50          | 2.50<br>1.65                     | 3.04<br>2.00                     |              |         | 36.2<br>27.1                         | 68327                            |
| 1.35<br>2.00                 | 16.80<br>14.00                   |                        |                | 2.50          | 2.50<br>1.65                     | 3.04<br>2.00                     |              |         | 36.2<br>27.1                         | 68328                            |
| 1.30<br>2.00                 | 15.60<br>12.00                   |                        |                | 3.90          | 3.90<br>3.29                     | 4.73<br>4.00                     |              |         | 41.5<br>32.4                         | 68329                            |
| 1.30<br>2.00                 | 15.60<br>12.00                   |                        |                | 3.90          | 3.90<br>3.29                     | 4.73<br>4.00                     |              |         | 41.5<br>32.3                         | 68330                            |
| 9.20<br>10.00                | 21.40<br>20.00                   |                        |                | 1.22          | 1.22<br>.82                      | 1.48<br>1.00                     |              |         | 28.1<br>23.1                         | 68331                            |
| 2.80                         | 16.80                            |                        |                |               |                                  |                                  | 3.05<br>2.00 |         | 27.1<br>19.0                         | 68332                            |
| 1.60                         | 18.10                            |                        |                |               |                                  |                                  | 3.23<br>2.00 |         | 31.2<br>22.0                         | 68334                            |
| 1.50                         | 16.80                            |                        |                |               |                                  |                                  | 5.46<br>4.00 |         | 33.9<br>26.0                         | 68335                            |
| 0.80<br>1.60<br>0.80<br>0.50 | 21.90<br>21.10<br>22.90<br>21.70 |                        |                |               |                                  |                                  |              |         | 24.1<br>23.4<br>26.5<br>25.4<br>24.0 | 68750<br>68751<br>68752<br>69288 |
| 3.10                         | 17.50                            |                        |                |               |                                  |                                  |              |         | 17.3<br>12.0                         | 68338                            |
|                              | 29.35<br>30.80<br>29.40<br>30.00 | 75<br>79<br>78         | 25<br>21<br>22 |               | 1.66<br>1.61<br>1.52<br>1.03     | 2.02<br>1.95<br>1.85<br>1.25     |              |         | 31.8<br>32.7<br>31.1<br>29.2         | 68754<br>69289<br>69290          |
|                              |                                  |                        |                |               | 15.38<br>15.12<br>15.30<br>15.00 | 18.68<br>18.36<br>18.58<br>18.25 |              |         | 76.9<br>75.6<br>76.5<br>75.0         | 68755<br>69291<br>69049          |



| Station Number | Name and Address of Manufacturer and Name of Brand  | From Whom Obtained                                   |
|----------------|---|--|
| 68757          | <b>Federal Chemical Co., Inc., Louisville, Ky.</b><br>Special Mixture Tobacco and Vegetable Grower. | I. K. Miller and Sons, Campbellsville.<br>Guaranteed |
| 68758          | Special Mixture Plant Bed Special   | H. C. Clay, Waynesburg<br>Guaranteed                 |
| 68542          | 3-8-10 Special Mixture Tobacco Grower   | Manufacturer<br>Guaranteed                           |
| 68543          | Special Mixture High Grade Tobacco Grower   | Manufacturer<br>Guaranteed                           |
| 68544          | Special Mixture Tip Top Potato Grower   | Manufacturer<br>Guaranteed                           |
| 68545          | Special Mixture Potato and Tobacco Grower   | Manufacturer<br>Guaranteed                           |
| 68546          | 2-8-3 Formula   | Manufacturer<br>Guaranteed                           |
| 68759          | Best Burley Tobacco Grower  | Hardin County Farm Bureau, Elizabetown<br>Guaranteed |
| 68548          | 2-8-3 Special Mixture   | Manufacturer<br>Guaranteed                           |
| 68342          | Daybreak A-1 Champion   | Manufacturer<br>Guaranteed                           |
| 68763          | †Daybreak Wheat and Corn Special  | W. W. Cornett, Poor Fork                             |
| 68764          |   | A. W. Tarter, Columbia                               |
| 69292          |   | S. O. Powell, McKinney                               |
| 69293          |   | A. W. Tarter, Columbia<br>Guaranteed                 |
| 68344          | Daybreak Cracker-Jack   | Manufacturer<br>Guaranteed                           |
| 68345          | Daybreak Special  | Manufacturer<br>Guaranteed                           |

TABLE I.

| PHOSPHORIC ACID                      |   | Percentage Of Fineness |             | NITROGEN      |                                      | Equivalent to Ammonia                | POTASH                               |              | Index of Relative Value              | Station Number                   |
|--------------------------------------|---|------------------------|-------------|---------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------|--------------------------------------|----------------------------------|
| Insoluble                            | Total                                     | Fine Bone              | Medium Bone | Water Soluble | Total                                |                                      | Muriate                              | Sulfate      |                                      |                                  |
| 1.20<br>2.00                         | 9.20<br>10.00                             |                        |             | 0.83          | 1.18<br>1.23                         | 1.43<br>1.50                         | 6.70<br>6.00                         |              | 31.8<br>31.0                         | 68757                            |
| 0.70<br>2.00                         | 11.55<br>12.00                            |                        |             | 1.46          | 2.29<br>2.47                         | 2.78<br>3.00                         | 2.95<br>3.00                         |              | 33.9<br>34.2                         | 68758                            |
| 1.20<br>2.00                         | 12.50<br>10.00                            |                        |             | 2.58          | 2.58<br>2.47                         | 3.13<br>3.00                         | 11.90<br>10.00                       |              | 54.2<br>45.2                         | 68542                            |
| 1.35<br>2.00                         | 12.40<br>10.00                            |                        |             | 3.73          | 3.73<br>3.29                         | 4.53<br>4.00                         | 6.02<br>4.00                         |              | 47.8<br>37.3                         | 68543                            |
| 0.55<br>2.00                         | 13.50<br>12.00                            |                        |             | 4.44          | 4.44<br>3.29                         | 5.39<br>4.00                         | 4.33<br>4.00                         |              | 50.5<br>40.3                         | 68544                            |
| 1.60<br>2.00                         | 13.30<br>10.00                            |                        |             | 2.27          | 2.27<br>1.65                         | 2.76<br>2.00                         | 7.91<br>7.50                         |              | 45.4<br>36.1                         | 68545                            |
| 2.20<br>2.00                         | 14.40<br>10.00                            |                        |             | 2.03          | 2.03<br>1.65                         | 2.46<br>2.00                         |                                      | 3.58<br>3.00 | 36.5<br>27.1                         | 68546                            |
| 0.45<br>2.00                         | 8.50<br>10.00                             |                        |             | 0.86          | 1.58<br>1.65                         | 1.92<br>2.00                         | 2.16<br>7.50                         | 6.40         | 37.3<br>36.1                         | 68759                            |
| 2.35<br>2.00                         | 15.00<br>10.00                            |                        |             | 1.76          | 1.76<br>1.65                         | 2.14<br>2.00                         | 3.42<br>3.00                         |              | 35.6<br>27.1                         | 68548                            |
| 1.85<br>2.00                         | 17.30<br>13.50                            |                        |             | 0.84          | 0.84<br>0.41                         | 1.02<br>0.50                         | 1.02<br>0.50                         |              | 30.2<br>21.1                         | 68342                            |
| 0.45<br>1.55<br>1.50<br>1.00<br>2.00 | 11.15<br>15.40<br>12.50<br>12.10<br>13.00 |                        |             |               | 0.51<br>0.35<br>0.34<br>0.41<br>0.41 | 0.62<br>0.42<br>0.41<br>0.50<br>0.50 | 1.37<br>0.85<br>1.06<br>0.98<br>1.00 |              | 21.5<br>24.9<br>20.9<br>21.1<br>21.4 | 68763<br>68764<br>69292<br>69293 |
| 1.55<br>2.00                         | 17.80<br>15.00                            |                        |             | 0.75          | 0.75<br>0.41                         | 0.91<br>0.50                         | 2.12<br>1.00                         |              | 33.0<br>24.4                         | 68344                            |
| 1.60<br>2.00                         | 15.50<br>13.00                            |                        |             | 0.71          | 0.71<br>0.41                         | 0.86<br>0.50                         |                                      | 6.63<br>5.00 | 38.3<br>29.4                         | 68345                            |

| Station Number | Name and Address of Manufacturer and Name of Brand | From Whom Obtained   |
|----------------|--|--|
|                | <b>Federal Chemical Co., Inc., Louisville, Ky.</b> |  |
| 69051          | Royal Wheat and Grain Special                      | Alver West and Co., Maysville<br>Guaranteed                                |
| 68348          | Daybreak Tobacco Manure                            | Manufacturer<br>Guaranteed   |
| 69295          | Daybreak Favorite                                  | Farmers Feed Co., Lebanon<br>Guaranteed                                    |
| 68350          | Standard Crop and Tobacco Grower                   | Manufacturer<br>Guaranteed   |
| 68766<br>69052 | Daybreak Tobacco Grower                            | Farmers Feed Co., Lebanon<br>J. A. Shaver, Greenville<br>Guaranteed        |
| 68352          | Daybreak Vegetable Grower                          | Manufacturer<br>Guaranteed   |
| 68351          | Red Rooster Mixture                                | Manufacturer<br>Guaranteed   |
| 68355          | Daybreak Nitro-Phosphate                           | Manufacturer<br>Guaranteed   |
| 68356          | Royal Meal Mixture                                 | Manufacturer<br>Guaranteed   |
| 68357          | Daybreak Half and Half Meal Mixture                | Manufacturer<br>Guaranteed   |
| 68358          | Daybreak Potash Special                            | Manufacturer<br>Guaranteed   |
| 68360          | Daybreak Phosphate and Potash                      | Manufacturer<br>Guaranteed   |
| 68767<br>68768 | Daybreak High Grade Phosphate                      | S. E. Bedford, Glasgow<br>Robinson Sub. Experiment Station<br>Quicksand    |
| 68769<br>69297 |  | Farmers Feed Co., Lebanon<br>R. C. Johnston and W. E. Wilson, Russellville |
| 69298<br>69299 |  | A. W. Tarter, Columbia<br>S. O. Powell, McKinney<br>Guaranteed             |

TABLE I.

| HORIC ACID           |                         | Percentage Of Fineness |             | NITROGEN      |                      | Equivalent to Ammonia | POTASH               |              | Index of Relative Value      | Station Number          |
|----------------------|-------------------------|------------------------|-------------|---------------|----------------------|-----------------------|----------------------|--------------|------------------------------|-------------------------|
| Insoluble            | Total                   | Fine Bone              | Medium Bone | Water Soluble | Total                |                       | Muriate              | Sulfate      |                              |                         |
| 1.25<br>2.00         | 13.15<br>14.00          |                        |             | 0.52          | 0.98<br>0.82         | 1.19<br>1.00          | 1.51<br>1.00         |              | 26.3<br>24.9                 | 69051                   |
| 2.25<br>2.00         | 15.55<br>12.00          |                        |             | 1.11          | 1.11<br>0.82         | 1.35<br>1.00          | 3.10<br>2.00         |              | 32.6<br>23.9                 | 68348                   |
| 2.50<br>2.00         | 13.75<br>13.00          |                        |             | 0.20          | 0.73<br>0.82         | 0.89<br>1.00          | 2.81<br>3.00         |              | 27.2<br>27.4                 | 69295                   |
| 2.00<br>2.00         | 14.50<br>10.00          |                        |             | 1.22          | 1.22<br>0.82         | 1.48<br>1.00          |                      | 4.73<br>4.00 | 35.1<br>24.9                 | 68350                   |
| 0.50<br>3.00<br>2.00 | 9.20<br>12.15<br>10.00  |                        |             | 0.89<br>0.24  | 1.54<br>1.42<br>1.65 | 1.87<br>1.72<br>2.00  | 2.17<br>2.43<br>2.00 |              | 25.3<br>26.9<br>25.1         | 68766<br>69052          |
| 1.70<br>2.00         | 13.35<br>10.00          |                        |             | 2.23          | 2.23<br>1.65         | 2.71<br>2.00          | 0.56                 | 5.36<br>5.00 | 41.2<br>31.1                 | 68352                   |
| 1.90<br>2.00         | 17.55<br>14.00          |                        |             | 0.72          | 0.72<br>0.41         | 0.87<br>0.50          |                      |              | 27.8<br>20.9                 | 68354                   |
| 1.00<br>2.00         | 18.75<br>17.00          |                        |             | 0.69          | 0.69<br>0.41         | 0.84<br>0.50          |                      |              | 30.5<br>25.4                 | 68355                   |
| 9.20<br>10.00        | 21.40<br>20.00          |                        |             | 1.22          | 1.22<br>0.82         | 1.48<br>1.00          |                      |              | 28.1<br>23.1                 | 68356                   |
| 9.05<br>10.00        | 20.65<br>20.00          |                        |             | 1.93          | 2.15<br>1.65         | 2.61<br>2.00          |                      |              | 31.8<br>27.3                 | 68357                   |
| 2.80                 | 16.80                   |                        |             |               |                      |                       | 3.05<br>2.00         |              | 27.1<br>19.0                 | 68358                   |
| 1.60                 | 18.10                   |                        |             |               |                      |                       | 3.23<br>2.00         |              | 31.2<br>22.0                 | 68360                   |
| 1.55                 | 19.10                   |                        |             |               |                      |                       |                      |              | 21.1                         | 68767                   |
| 0.65<br>0.65         | 17.95<br>17.75          |                        |             |               |                      |                       |                      |              | 20.8<br>20.5                 | 68768<br>68769          |
| 1.85<br>1.30<br>1.45 | 18.65<br>19.10<br>18.95 |                        |             |               |                      |                       |                      |              | 20.2<br>21.4<br>21.0<br>19.2 | 69297<br>69298<br>69299 |

| Station<br>Number | Name and Address of Manufacturer<br>and Name of Brand  | From Whom Obtained   |
|-------------------|--|--|
|                   | <b>Federal Chemical Co., Inc., Louisville,<br/>Ky.</b> |  |
| 68362             | Daybreak Royal Phosphate.....                          | Manufacturer.....<br>Guaranteed.....                                 |
| 68363             | Daybreak Standard Phosphate.....                       | Manufacturer.....<br>Guaranteed.....                                 |
| 68364             | Daybreak Special Phosphate Mixture.....                | Manufacturer.....<br>Guaranteed.....                                 |
| 68365             | Daybreak Raw Bone.....                                 | Manufacturer.....<br>Guaranteed.....                                 |
| 68366             | 1st Prize Corn and Wheat Champion.....                 | Manufacturer.....<br>Guaranteed.....                                 |
| 68770             | 1st Prize Corn, Wheat and Oats Grower.....             | Hardin County Farm Bureau, Elizabeth<br>town.....<br>Guaranteed..... |
| 68368             | 1st Prize Grain Maker.....                             | Manufacturer.....<br>Guaranteed.....                                 |
| 68369             | 1st Prize Special.....                                 | Manufacturer.....<br>Guaranteed.....                                 |
| 68370             | 1st Prize Wheat and Grain Special.....                 | Manufacturer.....<br>Guaranteed.....                                 |
| 68371             | Blue Ribbon Corn and Wheat Grower.....                 | Manufacturer.....<br>Guaranteed.....                                 |
| 68372             | Blue Ribbon Tobacco Grower.....                        | Manufacturer.....<br>Guaranteed.....                                 |
| 68373             | 1st Prize Formula.....                                 | Manufacturer.....<br>Guaranteed.....                                 |
| 68375             | 1st Prize Tobacco and Vegetable<br>Grower.....         | Manufacturer.....<br>Guaranteed.....                                 |
| 68376             | 1st Prize Phosphate Mixture.....                       | Manufacturer.....<br>Guaranteed.....                                 |



TABLE I.

| PHOSPHORIC ACID |                |                | Percentage Of Fineness |             | NITROGEN      |              | Equivalent to Ammonia | POTASH       |              | Index of Relative Value | Station Number |
|-----------------|----------------|----------------|------------------------|-------------|---------------|--------------|-----------------------|--------------|--------------|-------------------------|----------------|
|                 | Insoluble      | Total          | Fine Bone              | Medium Bone | Water Soluble | Total        |                       | Muriate      | Sulfate      |                         |                |
| 1.25<br>7.00    | 1.50           | 18.75          |                        |             |               |              |                       |              |              | 20.7<br>16.8            | 68362          |
| 1.75<br>2.00    | 2.20           | 17.95          |                        |             |               |              |                       |              |              | 18.9<br>14.4            | 68363          |
| 1.55<br>10.00   | 13.25<br>10.00 | 24.80<br>20.00 |                        |             |               |              |                       |              |              | 13.9<br>12.0            | 68364          |
|                 |                | 23.50<br>22.00 | 48                     | 52          |               | 4.45<br>3.71 | 5.40<br>4.50          |              |              | 41.1<br>36.2            | 68365          |
| .45<br>.50      | 1.85<br>2.00   | 17.30<br>13.50 |                        |             | 0.84          | 0.84<br>0.41 | 1.02<br>0.50          | 1.02<br>0.50 |              | 30.2<br>21.1            | 68366          |
| .80<br>1.00     | 0.55<br>2.00   | 14.35<br>13.00 |                        |             |               | 0.34<br>0.41 | 0.41<br>0.50          | 0.96<br>1.00 |              | 24.5<br>21.4            | 68770          |
| 3.25<br>3.00    | 1.55<br>2.00   | 17.80<br>15.00 |                        |             | 0.75          | 0.75<br>0.41 | 0.91<br>0.50          | 2.12<br>1.00 |              | 33.0<br>24.4            | 68368          |
| 3.90<br>1.00    | 1.60<br>2.00   | 15.50<br>13.00 |                        |             | 0.71          | 0.71<br>0.41 | 0.86<br>0.50          |              | 6.63<br>5.00 | 38.3<br>29.4            | 68369          |
| 3.85<br>2.00    | 1.45<br>2.00   | 17.30<br>14.00 |                        |             | 1.24          | 1.24<br>0.82 | 1.51<br>1.00          | 2.02<br>1.00 |              | 34.6<br>24.9            | 68370          |
| 3.30<br>1.00    | 2.25<br>2.00   | 15.55<br>12.00 |                        |             | 1.11          | 1.11<br>0.82 | 1.35<br>1.00          | 3.10<br>2.00 |              | 32.6<br>23.9            | 68371          |
| 3.30<br>1.00    | 2.25<br>2.00   | 15.55<br>12.00 |                        |             | 1.11          | 1.11<br>0.82 | 1.35<br>1.00          | 3.10<br>2.00 |              | 32.6<br>23.9            | 68372          |
| 3.65<br>1.00    | 1.75<br>2.00   | 15.40<br>13.00 |                        |             | 1.32          | 1.32<br>0.82 | 1.60<br>1.00          | 4.01<br>3.00 |              | 35.8<br>27.4            | 68373          |
| 3.90<br>1.00    | 1.80<br>2.00   | 12.70<br>10.00 |                        |             | 1.91          | 1.91<br>1.23 | 2.32<br>1.50          | 0.80         | 7.88<br>6.00 | 44.0<br>31.0            | 68375          |
| 3.65<br>1.00    | 1.90<br>2.00   | 17.55<br>14.00 |                        |             | 0.72          | 0.72<br>0.41 | 0.87<br>0.50          |              |              | 27.8<br>20.9            | 68376          |

TABLE I.

| Station<br>Number | Name and Address of Manufacturer<br>and Name of Brand            | From Whom Obtained  |
|-------------------|--|---|
|                   | <b>Federal Chemical Co., Inc., Louisville,<br/>Ky.</b>           |   |
| 68377             | 1st Prize Am. Bone Phosphate.....                                | Manufacturer.....<br>Guaranteed.....  |
| 68378             | Mogul Corn and Wheat Fertilizer ...                              | Manufacturer.....<br>Guaranteed.....  |
| 68379             | Blue Ribbon Meal Mixture.....                                    | Manufacturer.....<br>Guaranteed.....  |
| 68381             | 1st Prize Phosphate.....   | Manufacturer.....<br>Guaranteed.....  |
| 68382             | 1st Prize Standard Phosphate.....                                | Manufacturer.....<br>Guaranteed.....  |
| 68383             | 1st Prize Special Phosphate Mixture ..                           | Manufacturer.....<br>Guaranteed.....  |
|                   | <b>Ford Motor Co., Detroit, Mich.</b>                            |   |
| 69300<br>69056    | Ford Ammonium Sulfate .....                                      | Lashbrook Motor Co., Russellville<br>J. B. Taylor and Son, Lewisport<br>Guaranteed..... |
|                   | <b>Fox Chem. Co., Br. Federal Chem. Co.,<br/>Inc., Lou., Ky.</b> |   |
| 68385             | Fox Ideal Fertilizer.....  | Manufacturer.....<br>Guaranteed.....  |
| 68772<br>68773    | Fox Blood, Bone Phosphate and Potash ..                          | J. H. Frost, Gap Creek<br>H. C. Clay, Waynesburg<br>Guaranteed.....                     |
| 68387             | Red Fox Grain and Grass Grower.....                              | Manufacturer.....<br>Guaranteed.....  |
| 68388             | Fox Soil Builder.....  | Manufacturer.....<br>Guaranteed.....  |
| 68389             | Fox High Grade Special.....                                      | Manufacturer.....<br>Guaranteed.....  |
| 69057<br>69058    | Fox Wheat and Grain Special.....                                 | W. C. Bonta, Pleasureville<br>Cub Russell, Stanford<br>Guaranteed.....                  |

TABLE I.

| PHOSPHORIC ACID    |                      |                         | Percentage<br>Of Fineness |             | NITROGEN      |                         | Equivalent to<br>Ammonia | POTASH               |              | Index of<br>Relative Value | Station<br>Number |
|--------------------|----------------------|-------------------------|---------------------------|-------------|---------------|-------------------------|--------------------------|----------------------|--------------|----------------------------|-------------------|
|                    | Insoluble            | Total                   | Fine Bone                 | Medium Bone | Water Soluble | Total                   |                          | Muriate              | Sulfate      |                            |                   |
| 75<br>1.00         | 1.00<br>2.00         | 18.75<br>17.00          |                           |             | 0.69          | 0.69<br>0.41            | 0.84<br>0.50             |                      |              | 30.5<br>25.4               | 68377             |
| 85<br>1.00         | 1.45<br>2.00         | 17.30<br>14.00          |                           |             | 1.24          | 1.24<br>0.82            | 1.51<br>1.00             | 2.02                 |              | 34.6<br>22.9               | 68378             |
| 60<br>1.00         | 9.05<br>10.00        | 20.65<br>20.00          |                           |             | 2.15          | 2.15<br>1.65            | 2.61<br>2.00             |                      |              | 31.8<br>27.3               | 68379             |
| 25<br>1.00         | 1.50                 | 18.75                   |                           |             |               |                         |                          |                      |              | 20.7<br>16.8               | 68381             |
| 75<br>1.00         | 2.20                 | 17.95                   |                           |             |               |                         |                          |                      |              | 18.9<br>14.4               | 68382             |
| 55<br>1.00         | 13.25<br>10.00       | 24.80<br>20.00          |                           |             |               |                         |                          |                      |              | 13.9<br>12.0               | 68383             |
|                    |                      |                         |                           |             |               | 20.72<br>20.88<br>20.80 | 25.16<br>25.34<br>25.26  |                      |              | 103.6<br>104.4<br>104.0    | 69300<br>69056    |
| 45<br>1.50         | 1.85<br>2.00         | 17.30<br>13.50          |                           |             | 0.84          | 0.84<br>0.41            | 1.02<br>0.50             | 1.02<br>0.50         |              | 30.2<br>21.1               | 68385             |
| 75<br>1.05<br>1.00 | 0.60<br>0.60<br>2.00 | 12.35<br>11.65<br>13.00 |                           |             | 0.23          | 0.48<br>0.61<br>0.41    | 0.58<br>0.74<br>0.50     | 1.28<br>2.38<br>1.00 |              | 22.8<br>24.6<br>21.4       | 68772<br>68773    |
| 20<br>1.00         | 2.05<br>2.00         | 17.25<br>13.00          |                           |             | 0.71          | 0.71<br>0.41            | 0.86<br>0.50             | 1.88<br>1.00         |              | 30.9<br>21.4               | 68387             |
| 25<br>1.00         | 1.55<br>2.00         | 17.80<br>15.00          |                           |             | 0.75          | 0.75<br>0.41            | 0.91<br>0.50             | 2.12<br>1.00         |              | 33.0<br>24.4               | 68388             |
| 90<br>1.00         | 1.60<br>2.00         | 15.50<br>13.00          |                           |             | 0.71          | 0.71<br>0.41            | 0.86<br>0.50             |                      | 6.63<br>5.00 | 38.3<br>29.4               | 68389             |
| 90<br>1.10<br>1.00 | 1.30<br>3.10<br>2.00 | 14.20<br>16.20<br>14.00 |                           |             | 0.42          | 0.77<br>0.76<br>0.82    | 0.93<br>0.92<br>1.00     | 1.10<br>1.08<br>1.00 |              | 25.9<br>26.9<br>24.9       | 69057<br>69058    |

TABLE I.

| Station<br>Number | Name and Address of Manufacturer<br>and Name of Brand           | From Whom Obtained   |
|-------------------|---|--|
|                   | <b>Fox Chem. Co., Br. Federal Chem. Co.,<br/>Inc., Lou. Ky.</b> |  |
| 69301             | Fox Early Harvest.....  | Clarence C. Holman, Adairville.<br>Guaranteed.....                       |
| 68392             | Early Harvest Tobacco Grower.....                               | Manufacturer.....<br>Guaranteed.....                                     |
| 68393             | Fox Formula.....  | Manufacturer.....<br>Guaranteed.....                                     |
| 68774             | Fox Crop and Tobacco Grower.....                                | Tollesboro Supply Co., Tollesboro.<br>Guaranteed.....                    |
| 68775             | †Fox Wheat and Corn Manure.....                                 | H. C. Clay, Waynesburg.<br>Guaranteed.....                               |
| 69059<br>69060    | Fox Tobacco Grower.....   | Cub Russell, Stanford.<br>J. S. Whitfill, Big Clifty.<br>Guaranteed..... |
| 68397             | Fox Wheat and Corn Grower.....                                  | Manufacturer.....<br>Guaranteed.....                                     |
| 68398             | Fox Vegetable Grower.....                                       | Manufacturer.....<br>Guaranteed.....                                     |
| 68400             | Red Fox Mixture.....  | Manufacturer.....<br>Guaranteed.....                                     |
| 68401             | Fox Ammoniated Phosphate.....                                   | Manufacturer.....<br>Guaranteed.....                                     |
| 68402             | Fox Half and Half Meal Mixture.....                             | Manufacturer.....<br>Guaranteed.....                                     |
| 68403             | Fox Potash Special.....   | Manufacturer.....<br>Guaranteed.....                                     |
| 69303             | †Fox Bone Phosphate and Potash.....                             | Smith and Watkins, Adairville.<br>Guaranteed.....                        |
| 68405             | Fox Bone Phosphate.....   | Manufacturer.....<br>Guaranteed.....                                     |

TABLE I.

| PHOSPHORIC ACID      |                      |                       | Percentage<br>Of Fineness |             | NITROGEN      |                      | Equivalent to<br>Ammonia | POTASH               |         | Index of<br>Relative Value | Station<br>Number |
|----------------------|----------------------|-----------------------|---------------------------|-------------|---------------|----------------------|--------------------------|----------------------|---------|----------------------------|-------------------|
| Available            | Insoluble            | Total                 | Fine Bone                 | Medium Bone | Water Soluble | Total                |                          | Muriate              | Sulfate |                            |                   |
| 1.00<br>0.00         | 2.70<br>2.00         | 13.70<br>12.00        |                           |             |               | 0.74<br>0.82         | 0.90<br>1.00             | 2.04<br>2.00         |         | 25.4<br>23.9               | 69301             |
| 3.30<br>0.00         | 2.25<br>2.00         | 15.55<br>12.00        |                           |             | 1.11          | 1.11<br>0.82         | 1.35<br>1.00             | 3.10<br>2.00         |         | 32.6<br>23.9               | 68392             |
| 3.65<br>1.00         | 1.75<br>2.00         | 15.40<br>13.00        |                           |             | 1.32          | 1.32<br>0.82         | 1.60<br>1.00             | 4.01<br>3.00         |         | 35.8<br>27.4               | 68393             |
| 0.75<br>8.00         | 2.80<br>2.00         | 13.55<br>10.00        |                           |             | 0.40          | 1.10<br>0.82         | 1.34<br>1.00             | 4.09                 | 4.00    | 30.9<br>24.9               | 68774             |
| 8.60<br>8.00         | 0.70<br>2.00         | 9.30<br>10.00         |                           |             | 0.52          | 1.43<br>1.65         | 1.74<br>2.00             | 2.24<br>2.00         |         | 24.8<br>25.1               | 68775             |
| 9.60<br>9.00<br>8.00 | 0.10<br>0.70<br>2.00 | 9.70<br>9.70<br>10.00 |                           |             | 0.56<br>1.35  | 1.67<br>1.72<br>1.65 | 2.03<br>2.09<br>2.00     | 2.12<br>2.14<br>2.00 |         | 27.0<br>26.7<br>25.1       | 69059<br>69060    |
| 3.70<br>0.00         | 1.60<br>2.00         | 15.30<br>12.00        |                           |             | 2.11          | 2.11<br>1.65         | 2.56<br>2.00             | 3.27<br>2.00         |         | 38.3<br>28.1               | 68397             |
| 11.70<br>8.00        | 2.40<br>2.00         | 14.10<br>10.00        |                           |             | 1.83          | 1.83<br>1.65         | 2.22<br>2.00             | 6.81                 | 5.00    | 41.3<br>31.1               | 68398             |
| 15.65<br>12.00       | 1.90<br>2.00         | 17.55<br>14.00        |                           |             | 0.72          | 0.72<br>0.41         | 0.87<br>0.50             |                      |         | 27.8<br>20.9               | 68400             |
| 17.75<br>15.00       | 1.00<br>2.00         | 18.75<br>17.00        |                           |             | 0.69          | 0.69<br>0.41         | 0.84<br>0.50             |                      |         | 30.5<br>25.4               | 68401             |
| 11.60<br>0.00        | 9.05<br>10.00        | 20.65<br>20.00        |                           |             | 1.93          | 2.15<br>1.65         | 2.61<br>2.00             |                      |         | 31.8<br>27.3               | 68402             |
| 4.00<br>0.00         | 2.80                 | 16.80                 |                           |             |               |                      |                          | 3.05<br>2.00         |         | 27.1<br>19.0               | 68403             |
| 0.75<br>0.00         | 2.90                 | 13.65                 |                           |             |               |                      |                          | 4.02<br>4.00         |         | 24.2<br>23.0               | 69303             |
| 6.50<br>2.00         | 1.60                 | 18.10                 |                           |             |               |                      |                          | 3.23<br>2.00         |         | 31.2<br>22.0               | 68405             |



TABLE I.

| Station<br>Number | Name and Address of Manufacturer<br>and Name of Brand                    | From Whom Obtained                         |
|-------------------|--|--|
|                   | <b>Fox Chem. Co., Br. Federal Chem. Co.,<br/>Inc., Lou. Ky.</b>          |  |
| 68778             | †Fox High Grade Phosphate.....   | Tollesboro Supply Co., Tollesboro.....     |
| 68780             |  | H. C. Clay, Waynesburg.....                |
| 69304             |  | Smith and Watkins, Adairville.....         |
| 69305             |  | Wood and Locke, Horse Cave.....            |
| 69306             |  | H. C. Clay, Waynesburg.....                |
|                   |  | Guaranteed.....                            |
| 68407             | Fox Phosphate .....  | Manufacturer.....                          |
|                   |  | Guaranteed.....                            |
| 68408             | Fox Standard Phosphate.....  | Manufacturer.....                          |
|                   |  | Guaranteed.....                            |
| 69061             | Fox Special Phosphate Mixture.....                                       | Cub Russell, Stanford.....                 |
|                   |  | Guaranteed.....                            |
|                   | <b>Globe Fert. Co., Br. Federal Chem.<br/>Co., Inc., Louisville, Ky.</b> |  |
| 68411             | Globe Good Grower Fertilizer.....  | Manufacturer.....                          |
|                   |  | Guaranteed.....                            |
| 68781             | †Globe Blood, Bone Phosphate and<br>Potash.....                          | I. K. Miller and Sons, Campbellsville..... |
| 69308             |  | Bresler, Son and Co., Owensboro.....       |
| 69063             |  | Planters Hardware Co., Hopkinsville.....   |
|                   |  | Guaranteed.....                            |
| 68413             | Globe Grain and Grass Grower.....  | Manufacturer.....                          |
|                   |  | Guaranteed.....                            |
| 68414             | Globe Money Maker.....   | Manufacturer.....                          |
|                   |  | Guaranteed.....                            |
| 68415             | Globe High Grade Special.....  | Manufacturer.....                          |
|                   |  | Guaranteed.....                            |
| 68416             | Globe Wheat and Grain Special.....                                       | Manufacturer.....                          |
|                   |  | Guaranteed.....                            |
| 68783             | †Progress Corn and Wheat Grower.....                                     | Roy Reid, Eastwood.....                    |
|                   |  | Guaranteed.....                            |

TABLE I.

| PHOSPHORIC ACID                  |                                      |   | Percentage<br>Of Fineness |             | NITROGEN      |                              | Equivalent to<br>Ammonia     | POTASH                       |              | Index of<br>Relative Value                   | Station<br>Number                         |
|----------------------------------|--------------------------------------|---|---------------------------|-------------|---------------|------------------------------|------------------------------|------------------------------|--------------|--|---|
| Insoluble                        | Total                                |   | Fine Bone                 | Medium Bone | Water Soluble | Total                        |                              | Muriate                      | Sulfate      |  |   |
| 20<br>35<br>55<br>85<br>10<br>00 | 3.10<br>0.70<br>1.40<br>1.40<br>2.60 | 19.30<br>18.05<br>18.95<br>18.25<br>19.70 |                           |             |               |                              |                              |                              |              | 19.4<br>20.8<br>21.1<br>20.2<br>20.5<br>19.2 | 68778<br>68780<br>69304<br>69305<br>69306 |
| 25<br>00                         | 1.50                                 | 18.75                                     |                           |             |               |                              |                              |                              |              | 20.7<br>16.8                                 | 68407                                     |
| 75<br>00                         | 2.20                                 | 17.95                                     |                           |             |               |                              |                              |                              |              | 18.9<br>14.4                                 | 68408                                     |
| 40<br>00                         | 12.50<br>10.00                       | 24.90<br>20.00                            |                           |             |               |                              |                              |                              |              | 14.9<br>12.0                                 | 69061                                     |
| 45<br>50                         | 1.85<br>2.00                         | 17.30<br>13.50                            |                           |             | 0.84          | 0.84<br>0.41                 | 1.02<br>0.50                 | 1.02<br>0.50                 |              | 30.2<br>21.1                                 | 68411                                     |
| 85<br>15<br>95<br>00             | 1.65<br>3.35<br>3.40<br>2.00         | 12.50<br>14.50<br>14.35<br>13.00          |                           |             |               | 0.45<br>0.37<br>0.54<br>0.41 | 0.55<br>0.45<br>0.66<br>0.50 | 1.23<br>0.80<br>1.70<br>1.00 |              | 21.7<br>21.5<br>23.9<br>21.4                 | 68781<br>69308<br>69063                   |
| 20<br>00                         | 2.05<br>2.00                         | 17.25<br>13.00                            |                           |             | 0.71          | 0.71<br>0.41                 | 0.86<br>0.50                 | 1.88<br>1.00                 |              | 30.9<br>21.4                                 | 68413                                     |
| 25<br>00                         | 1.55<br>2.00                         | 17.80<br>15.00                            |                           |             | 0.75          | 0.75<br>0.41                 | 0.91<br>0.50                 | 2.12<br>1.00                 |              | 33.0<br>24.4                                 | 68414                                     |
| 90<br>00                         | 1.60<br>2.00                         | 15.50<br>13.00                            |                           |             | 0.71          | 0.71<br>0.41                 | 0.86<br>0.50                 |                              | 6.63<br>5.00 | 38.3<br>29.4                                 | 68415                                     |
| 85<br>00                         | 1.45<br>2.00                         | 17.30<br>14.00                            |                           |             | 1.24          | 1.24<br>0.82                 | 1.51<br>1.00                 | 2.02<br>1.00                 |              | 34.6<br>24.9                                 | 68416                                     |
| 35<br>00                         | 1.60<br>2.00                         | 11.95<br>12.00                            |                           |             | 0.25          | 0.80<br>0.82                 | 0.97<br>1.00                 | 2.07<br>2.00                 |              | 24.3<br>23.9                                 | 68783                                     |

TABLE I.

| Station<br>Number | Name and Address of Manufacturer<br>and Name of Brand                    | From Whom Obtained                              |
|-------------------|--|---|
| 68784             | <b>Globe Fert. Co., Br. Federal Chem.<br/>Co., Inc., Louisville, Ky.</b> | C. F. Shaw, Cave City                           |
| 68785             | Progress Tobacco Grower  | J. W. Oates and H. C. Rogers, Russel<br>Springs |
|                   |  | Guaranteed                                      |
| 69311             | †Braden Formula  | Vine Grove Feed Co., Vine Grove                 |
|                   |  | Guaranteed                                      |
| 68786             | †Universal Crop and Tobacco Grower                                       | A. L. Harmon and Son, Junction City             |
| 69064             |  | Ben Hook, Brandenburg                           |
|                   |  | Guaranteed                                      |
| 69312             | Eagle Wheat and Corn Grower  | Big Four Co., Franklin                          |
|                   |  | Guaranteed                                      |
| 68789             | †Big Four Tobacco Grower   | W. H. Lyons, Loretto                            |
| 68790             |  | I. K. Miller and Son, Campbellsville            |
| 69066             |  | Planters Hardware Co., Hopkinsville             |
|                   |  | Guaranteed                                      |
| 69313             | Globe Wheat Grower   | Vine Grove Feed Co., Vine Grove                 |
|                   |  | Guaranteed                                      |
| 68424             | Kentucky Tobacco Maker   | Manufacturer                                    |
|                   |  | Guaranteed                                      |
| 69067             | Globe Soluble Vegetable Manure   | Harvey Stout and Son, Buechel                   |
|                   |  | Guaranteed                                      |
| 69069             | †Kentucky Standard Tobacco Grower  | Farmers Union Co-op. Store, Augusta             |
|                   |  | Guaranteed                                      |
| 68427             | Globe Special Tobacco Grower   | Manufacturer                                    |
|                   |  | Guaranteed                                      |
| 68428             | Globe Gold Medal Mixture   | Manufacturer                                    |
|                   |  | Guaranteed                                      |
| 68429             | Globe Grain-O-Phosphate  | Manufacturer                                    |
|                   |  | Guaranteed                                      |
| 68431             | Globe Potash Special   | Manufacturer                                    |
|                   |  | Guaranteed                                      |

TABLE I.

| PHOSPHORIC ACID |           |       | Percentage<br>Of Fineness |             | NITROGEN      |       | Equivalent to<br>Ammonia | POTASH  |         | Index of<br>Relative Value | Station<br>Number |
|-----------------|-----------|-------|---------------------------|-------------|---------------|-------|--------------------------|---------|---------|----------------------------|-------------------|
| Available       | Insoluble | Total | Fine Bone                 | Medium Bone | Water Soluble | Total |                          | Muriate | Sulfate |                            |                   |
| 0.80            | 3.40      | 14.20 |                           |             | 0.70          | 0.99  | 1.20                     | 1.79    |         | 26.1                       | 68784             |
| 9.85            | 4.00      | 13.85 |                           |             | 0.35          | 0.72  | 0.87                     | 1.65    |         | 23.3                       | 68785             |
| 10.00           | 2.00      | 12.00 |                           |             |               | 0.82  | 1.00                     | 2.00    |         | 23.9                       |                   |
| 11.55           | 1.60      | 13.15 |                           |             | 0.28          | 0.72  | 0.87                     | 3.58    |         | 28.7                       | 69311             |
| 11.00           | 2.00      | 13.00 |                           |             |               | 0.82  | 1.00                     | 3.00    |         | 27.4                       |                   |
| 8.80            | 1.30      | 10.10 |                           |             | 0.41          | 0.75  | 0.91                     | 3.89    |         | 25.3                       | 68786             |
| 8.30            | 1.50      | 9.80  |                           |             | 0.36          | 0.81  | 0.98                     | 4.21    |         | 25.5                       | 69064             |
| 8.00            | 2.00      | 10.00 |                           |             |               | 0.82  | 1.00                     |         | 4.00    | 24.9                       |                   |
| 9.50            | 3.10      | 12.60 |                           |             | 0.74          | 1.60  | 1.94                     | 1.69    |         | 26.9                       | 69312             |
| 8.00            | 2.00      | 10.00 |                           |             |               | 1.65  | 2.00                     | 2.00    |         | 25.1                       |                   |
| 9.20            | 1.00      | 10.20 |                           |             | 1.28          | 1.60  | 1.94                     | 1.91    |         | 26.0                       | 68789             |
| 8.40            | 0.40      | 8.80  |                           |             | 1.47          | 1.76  | 2.14                     | 2.56    |         | 26.7                       | 68790             |
| 9.10            | 3.90      | 13.00 |                           |             | 0.34          | 1.45  | 1.76                     | 2.55    |         | 27.6                       | 69066             |
| 8.00            | 2.00      | 10.00 |                           |             |               | 1.65  | 2.00                     | 2.00    |         | 25.1                       |                   |
| 9.95            | 1.90      | 11.85 |                           |             | 0.86          | 1.42  | 1.72                     | 2.14    |         | 27.1                       | 69313             |
| 10.00           | 2.00      | 12.00 |                           |             |               | 1.65  | 2.00                     | 2.00    |         | 28.1                       |                   |
| 13.70           | 1.60      | 15.30 |                           |             | 2.11          | 2.11  | 2.56                     | 3.27    |         | 38.3                       | 68424             |
| 10.00           | 2.00      | 12.00 |                           |             |               | 1.65  | 2.00                     | 2.00    |         | 28.1                       |                   |
| 8.55            | 1.65      | 10.20 |                           |             | 1.12          | 1.60  | 1.94                     | 0.88    | 4.20    | 31.7                       | 69067             |
| 8.00            | 2.00      | 10.00 |                           |             |               | 1.65  | 2.00                     |         | 5.00    | 31.1                       |                   |
| 8.80            | 1.50      | 10.30 |                           |             | 0.91          | 1.77  | 2.15                     | 1.96    | 4.26    | 33.1                       | 69069             |
| 8.00            | 2.00      | 10.00 |                           |             |               | 1.65  | 2.00                     |         | 5.00    | 31.1                       |                   |
| 11.30           | 1.20      | 12.50 |                           |             | 2.58          | 2.58  | 3.13                     | 11.91   |         | 54.2                       | 68427             |
| 8.00            | 2.00      | 10.00 |                           |             |               | 2.47  | 3.00                     |         | 10.00   | 45.2                       |                   |
| 15.65           | 1.90      | 17.55 |                           |             | 0.72          | 0.72  | 0.87                     |         |         | 27.8                       | 68428             |
| 12.00           | 2.00      | 14.00 |                           |             |               | 0.41  | 0.50                     |         |         | 20.9                       |                   |
| 17.75           | 1.00      | 18.75 |                           |             | 0.69          | 0.69  | 0.84                     |         |         | 30.5                       | 68429             |
| 15.00           | 2.00      | 17.00 |                           |             |               | 0.41  | 0.50                     |         |         | 25.4                       |                   |
| 14.00           | 2.80      | 16.80 |                           |             |               |       |                          | 3.05    |         | 27.1                       | 68431             |
| 10.00           |           |       |                           |             |               |       |                          | 2.00    |         | 19.0                       |                   |

TABLE I.

| Station<br>Number | Name and Address of Manufacturer<br>and Name of Brand   | From Whom Obtained                    |
|-------------------|---|---------------------------------------|
| 68433             | <b>Globe Fert. Co., Br. Federal Chem.<br/>Co., Inc., Louisville, Ky.</b><br>Globe Potash Compound | Manufacturer<br>Guaranteed            |
| 68791             | †Globe High Grade Phosphate   | Farmers Union Mercantile Co., Owenton |
| 68793             |   | A. E. Sullivan, Jamestown             |
| 69317             |   | Farmers Union, Augusta                |
| 69318             |   | Big Four Co., Franklin                |
| 69319             |   | I. K. Miller and Son, Campbellsville  |
| 69320             |   | Bresler, Son and Co., Owensboro       |
|                   |   | Guaranteed                            |
| 69321             | Globe Phosphate   | I. K. Miller and Son, Campbellsville  |
|                   |   | Guaranteed                            |
| 68794             | Globe Standard Phosphate  | I. K. Miller and Son, Campbellsville  |
|                   |   | Guaranteed                            |
| 68437             | Globe Special Phosphate Mixture   | Manufacturer                          |
|                   |   | Guaranteed                            |
| 69322             | Globe Raw Bone  | Planters Hardware Co., Hopkinsville   |
| 69071             |   | Harvey Stout and Son, Buechel         |
|                   |   | Guaranteed                            |
|                   | <b>Groves Fertilizer Works (The Joslin-<br/>Schmidt Co.), Cincinnati, O.</b>                      |                                       |
| 68795             | †Square Brand 2-12-2  | G. M. Hedrick, Monticello             |
|                   |   | Guaranteed                            |
| 68797             | †Square Brand 3-8-6   | H. D. Jones, Glasgow                  |
|                   |   | Guaranteed                            |
| 68261             | Square Brand 2-12-6   | Manufacturer                          |
|                   |   | Guaranteed                            |
| 68262             | Square Brand 3-12-4   | Manufacturer                          |
|                   |   | Guaranteed                            |
| 68801             | †Square Brand 1-8-4   | H. D. Jones, Glasgow                  |
| 69072             |   | Moore and Hughes, Litchfield          |
|                   |   | Guaranteed                            |
| 69326             | Square Brand 0-10-5   | J. C. Everett and Co., Maysville      |
|                   |   | Guaranteed                            |

TABLE I.

| PHOSPHORIC ACID      |                      |                        | Percentage<br>Of Fineness |             | NITROGEN      |                      | Equivalent to<br>Ammonia | POTASH               |              | Index of<br>Relative Value | Station<br>Number |
|----------------------|----------------------|------------------------|---------------------------|-------------|---------------|----------------------|--------------------------|----------------------|--------------|----------------------------|-------------------|
| Available            | Insoluble            | Total                  | Fine Bone                 | Medium Bone | Water Soluble | Total                |                          | Muriate              | Sulfate      |                            |                   |
| 6.50<br>12.00        | 1.60                 | 18.10                  |                           |             |               |                      |                          | 3.23<br>2.00         |              | 31.2<br>22.0               | 68433             |
| 17.20<br>15.50       | 0.60<br>2.50         | 17.80<br>18.00         |                           |             |               |                      |                          |                      |              | 20.6<br>18.6               | 68791<br>68793    |
| 16.50                | 2.20                 | 18.70                  |                           |             |               |                      |                          |                      |              | 19.8                       | 69317             |
| 16.90                | 1.10                 | 18.00                  |                           |             |               |                      |                          |                      |              | 20.3                       | 69318             |
| 16.65                | 1.60                 | 18.25                  |                           |             |               |                      |                          |                      |              | 20.0                       | 69319             |
| 17.40                | 1.80                 | 19.20                  |                           |             |               |                      |                          |                      |              | 20.9                       | 69320             |
| 16.00                |                      |                        |                           |             |               |                      |                          |                      |              | 19.2                       |                   |
| 14.90<br>14.00       | 1.35                 | 16.25                  |                           |             |               |                      |                          |                      |              | 17.9<br>16.8               | 69321             |
| 12.70<br>12.00       | 0.80                 | 13.50                  |                           |             |               |                      |                          |                      |              | 15.2<br>14.4               | 68794             |
| 11.55<br>10.00       | 13.25<br>10.00       | 24.80<br>20.00         |                           |             |               |                      |                          |                      |              | 13.9<br>12.0               | 68437             |
|                      |                      | 21.20                  | 45                        | 55          |               | 3.87                 | 4.70                     |                      |              | 36.3                       | 69322             |
|                      |                      | 24.30                  | 41                        | 59          |               | 4.13                 | 5.01                     |                      |              | 40.1                       | 69071             |
|                      |                      | 22.00                  |                           |             |               | 3.71                 | 4.50                     |                      |              | 36.2                       |                   |
| 11.60<br>12.00       | 1.40<br>1.00         | 13.00<br>13.00         |                           |             | 1.13          | 1.89<br>1.65         | 2.29<br>2.00             | 2.00<br>2.00         | 1.05         | 33.5<br>30.7               | 68795             |
| 8.35<br>8.00         | 2.20<br>1.00         | 10.55<br>9.00          |                           |             | 1.48          | 2.29<br>2.47         | 2.78<br>3.00             | 2.04                 | 4.47<br>6.00 | 37.9<br>36.8               | 68797             |
| 12.90<br>12.00       | 1.20<br>1.00         | 14.10<br>13.00         |                           |             | 1.35          | 1.76<br>1.65         | 2.14<br>2.00             | 6.98<br>6.00         |              | 42.6<br>38.7               | 68261             |
| 12.80<br>12.00       | 1.60<br>1.00         | 14.40<br>13.00         |                           |             | 1.70          | 2.44<br>2.47         | 2.96<br>3.00             | 4.97<br>4.00         |              | 42.0<br>38.8               | 68262             |
| 7.80<br>8.60<br>8.00 | 3.60<br>1.90<br>1.00 | 11.40<br>10.50<br>9.00 |                           |             | 0.39          | 0.95<br>0.71<br>0.82 | 1.15<br>0.86<br>1.00     | 4.36<br>3.70<br>4.00 |              | 26.6<br>24.6<br>24.5       | 68801<br>69072    |
| 9.35<br>10.00        | 1.05<br>1.00         | 10.40<br>11.00         |                           |             |               |                      |                          | 5.16<br>5.00         |              | 24.4<br>25.0               | 69326             |



TABLE I.

|       | Name and Address of Manufacturer<br>and Name of Brand                   | From Whom Obtained                          |
|-------|---|---|
|       | <b>Groves Fertilizer Works (The Joslin-Schmidt Co.), Cincinnati, O.</b> |   |
| 68266 | Square Brand 0-10-10  | Manufacturer<br>Guaranteed                  |
| 68268 | Square Brand 0-8-24   | Manufacturer<br>Guaranteed                  |
| 68802 | 116% Acid Phosphate   | H. D. Jones, Glasgow                        |
| 68803 |   | I. K. Miller and Son, Campbellsville        |
| 68804 |   | H. D. Jones, Glasgow                        |
| 69328 |   | J. C. Everett and Co., Maysville            |
| 69329 |   | H. D. Jones, Glasgow                        |
| 69073 |   | Moore and Hughes, Leitchfield<br>Guaranteed |
| 69331 | 20% Acid Phosphate  | H. D. Jones, Glasgow<br>Guaranteed          |
| 69332 | Half and Half   | Cayce-Yost Co., Hopkinsville<br>Guaranteed  |
| 68805 | 2-27 Bone   | H. D. Jones, Glasgow                        |
| 69335 |   | H. D. Jones, Glasgow                        |
| 69336 |   | V. B. Nuckols, Elkton<br>Guaranteed         |
| 69337 | Raw Bone  | G. M. Hedrick, Monticello<br>Guaranteed     |
| 68275 | Muriate of Potash   | Manufacturer<br>Guaranteed                  |
| 68276 | Sulphate of Ammonia   | *<br>Guaranteed                             |
|       | <b>Haleo Seed Co., Louisville, Ky.</b>                                  |   |
| 68244 | Haleo Tobacco Grower  | Manufacturer<br>Guaranteed                  |
| 69338 | Haleo 16% Acid Phosphate  | Ed. S. Rhea, Shepherdsville<br>Guaranteed   |
| 68246 | Haleo 20% Superphosphate  | Manufacturer<br>Guaranteed                  |

\* The manufacturer failed to furnish sample as required by law.

TABLE I.

| PHOSPHORIC ACID   |  |   | Percentage Of Fineness |                | NITROGEN      |                              | Equivalent to Ammonia        | POTASH         |         | Index of Relative Value                              | Station Number                                     |
|---|--|---|------------------------|----------------|---------------|------------------------------|------------------------------|----------------|---------|--|--|
| Available   | Insoluble  | Total   | Fine Bone              | Medium Bone    | Water Soluble | Total                        |                              | Muriate        | Sulfate |  |  |
| 0.80<br>0.00  | 1.70<br>1.00   | 12.50<br>11.00  |                        |                |               |                              |                              | 11.43<br>10.00 |         | 39.0<br>35.0   | 68266  |
| 7.80<br>8.00  | 1.20<br>1.00   | 9.00<br>9.00  |                        |                |               |                              |                              | 25.18<br>24.00 |         | 62.1<br>60.0   | 68268  |
| 19.70<br>17.15<br>16.10<br>16.00<br>16.20<br>15.55<br>16.00 | 3.10<br>1.65<br>2.00<br>2.10<br>2.10<br>1.55<br>1.00 | 22.80<br>18.80<br>18.10<br>18.10<br>18.30<br>17.10<br>17.00 |                        |                |               |                              |                              |                |         | 23.6<br>20.6<br>19.3<br>19.2<br>19.4<br>18.7<br>19.2 | 68802<br>68803<br>68804<br>69328<br>69329<br>69073 |
| 20.30<br>20.00  | 2.20<br>1.00   | 22.50<br>21.00  |                        |                |               |                              |                              |                |         | 24.4<br>24.0   | 69331  |
| 10.65<br>8.00   | 7.55<br>8.00   | 18.20<br>16.00  |                        |                | 0.38          | 1.31<br>1.65                 | 1.59<br>2.00                 | 3.45<br>2.00   |         | 32.5<br>27.5   | 69332  |
|   |  | 29.50<br>28.00<br>28.20<br>27.00                            | 72<br>86<br>90         | 28<br>14<br>10 |               | 1.82<br>1.67<br>1.68<br>1.65 | 2.21<br>2.03<br>2.04<br>2.00 |                |         | 32.7<br>30.8<br>31.0<br>29.9                         | 68805<br>69335<br>69336                            |
|   |  | 26.10<br>22.00  | 53                     | 47             |               | 3.63<br>3.71                 | 4.41<br>4.50                 |                |         | 39.0<br>36.2   | 69337  |
|   |  |   |                        |                |               |                              |                              | 50.96<br>50.00 |         | 101.9<br>100.0                                       | 68275  |
|   |  |   |                        |                |               | 20.60                        | 25.00                        |                |         | 103.0  | 68276  |
| 10.65<br>10.00  | 1.60<br>1.00   | 12.25<br>11.00  |                        |                | 0.68          | 0.90<br>0.82                 | 1.09<br>1.00                 | 2.20<br>2.00   |         | 25.5<br>23.5   | 68244  |
| 16.20<br>16.00  | 1.20<br>1.00   | 17.40<br>17.00  |                        |                |               |                              |                              |                |         | 19.4<br>19.2   | 69338  |
| 21.80<br>20.00  | 0.30<br>1.00   | 22.10<br>21.00  |                        |                |               |                              |                              |                |         | 26.2<br>24.0   | 68246  |

TABLE I.

| Station Number | Name and Address of Manufacturer and Name of Brand                             | From Whom Obtained                        |
|----------------|--|---|
| 68247          | <b>Hall Seed Co., Louisville, Ky.</b><br>Halco Corn and Wheat Grower           | Manufacturer<br>Guaranteed                |
| 68248          | Halco Potato Grower  | Manufacturer<br>Guaranteed                |
| 68249          | Halco Vegetable Grower   | Manufacturer<br>Guaranteed                |
| 68250          | Halco Special Tobacco Grower   | Manufacturer<br>Guaranteed                |
| 68251          | Halco Potato and Tobacco Grower  | Manufacturer<br>Guaranteed                |
| 68252          | Halco Half Bone and Phosphate  | *<br>Guaranteed                           |
| 68253          | Halco Bone Meal  | Manufacturer<br>Guaranteed                |
| 68254          | Halco Raw Bone   | Manufacturer<br>Guaranteed                |
| 68255          | Halco High Grade Vegetable Grower  | Manufacturer<br>Guaranteed                |
| 68256          | Halco 2-16-2 Fertilizer  | Manufacturer<br>Guaranteed                |
| 68257          | Halco 4-16-4 Fertilizer  | Manufacturer<br>Guaranteed                |
| 68806          | <b>Hopkins Fertilizer Co., New Albany, Ind.</b><br>Wheat and Corn Grower No. 1 | Crawford and Snyder, Milton<br>Guaranteed |
| 68291          | Red Banner Special   | Manufacturer<br>Guaranteed                |
| 68292          | General Crop Grower  | Manufacturer<br>Guaranteed                |
| 68293          | Superior   | Manufacturer<br>Guaranteed                |

\* The manufacturer failed to furnish sample as required by law.

TABLE I.

| PHOSPHORIC ACID |              |                | Percentage<br>Of Fineness |             | NITROGEN      |              | Equivalent to<br>Ammonia | POTASH       |              | Index of<br>Relative Value | Station<br>Number |
|-----------------|--------------|----------------|---------------------------|-------------|---------------|--------------|--------------------------|--------------|--------------|----------------------------|-------------------|
| Available       | Insoluble    | Total          | Fine Bone                 | Medium Bone | Water Soluble | Total        |                          | Muriate      | Sulfate      |                            |                   |
| 10.80<br>10.00  | 1.50<br>1.00 | 12.30<br>11.00 |                           |             | 0.68<br>0.82  | 0.96<br>1.00 | 1.17<br>1.00             |              |              | 21.6<br>19.5               | 68247             |
| 10.25<br>10.00  | 1.25<br>1.00 | 11.50<br>11.00 |                           |             | 1.35<br>1.65  | 1.72<br>1.65 | 2.09<br>2.00             |              |              | 24.5<br>23.7               | 68248             |
| 10.20<br>10.00  | 1.40<br>1.00 | 11.60<br>11.00 |                           |             | 2.80<br>3.29  | 3.42<br>3.29 | 4.15<br>4.00             |              |              | 33.0<br>31.9               | 68249             |
| 8.75<br>8.00    | 1.90<br>1.00 | 10.65<br>9.00  |                           |             | 0.54<br>0.41  | 0.54<br>0.41 | 0.66<br>0.50             | 1.45<br>1.00 |              | 19.5<br>16.5               | 68250             |
| 8.70<br>8.00    | 1.50<br>1.00 | 10.20<br>9.00  |                           |             | 1.44<br>1.65  | 1.79<br>1.65 | 2.17<br>2.00             | 3.56<br>3.00 |              | 29.7<br>26.7               | 68251             |
| 10.00           | 10.00        | 20.00          |                           |             |               | 0.82         | 1.00                     |              |              | 23.1                       | 68252             |
|                 |              | 26.70<br>27.00 | 69                        | 31          |               | 2.41<br>2.47 | 2.93<br>3.00             |              |              | 33.4<br>34.0               | 68253             |
|                 |              | 23.85<br>22.00 | 100                       |             |               | 3.96<br>3.71 | 4.81<br>4.50             |              |              | 38.9<br>36.2               | 68254             |
| 8.60<br>8.00    | 1.20<br>1.00 | 9.80<br>9.00   |                           |             | 1.89          | 2.75<br>2.47 | 3.34<br>3.00             | 0.84         | 5.17<br>6.00 | 39.2<br>36.8               | 68255             |
| 16.80<br>16.00  | 0.60<br>1.00 | 17.40<br>17.00 |                           |             | 2.09          | 2.09<br>1.65 | 2.54<br>2.00             | 2.58<br>2.00 |              | 41.1<br>36.7               | 68256             |
| 15.60<br>16.00  | 0.70<br>1.00 | 16.30<br>17.00 |                           |             | 3.18          | 3.18<br>3.29 | 3.86<br>4.00             | 4.97<br>4.00 |              | 49.5<br>48.9               | 68257             |
| 10.90<br>10.00  | 1.30<br>2.00 | 12.20<br>12.00 |                           |             | 0.20          | 0.58<br>0.41 | 0.70<br>0.50             | 2.73<br>2.00 |              | 25.2<br>21.9               | 68806             |
| 8.75<br>8.00    | 0.60<br>2.00 | 9.35<br>10.00  |                           |             | 0.56          | 1.02<br>0.82 | 1.24<br>1.00             | 1.56<br>3.00 | 1.47         | 24.5<br>22.9               | 68291             |
| 13.25<br>12.00  | 2.50<br>2.00 | 15.75<br>14.00 |                           |             | 0.37          | 1.77<br>1.65 | 2.15<br>2.00             | 2.28<br>2.00 |              | 34.3<br>31.1               | 68292             |
| 9.60<br>10.00   | 3.50<br>2.00 | 13.10<br>12.00 |                           |             | 0.92          | 2.25<br>1.65 | 2.73<br>2.00             | 5.24<br>4.00 |              | 37.5<br>32.1               | 68293             |

TABLE I.

| Station Number                   | Name and Address of Manufacturer and Name of Brand               | From Whom Obtained  |
|----------------------------------|--|---|
| 68807<br>68808<br>68809<br>69074 | <b>Hopkins Fertilizer Co., New Albany, Ind.</b><br>Burley Grower | Emmitt Shearer, Monticello<br>Hayden Coal and Grain Co., Springfield<br>Crawford and Snyder, Milton<br>W. C. Richards, Fordsville<br>Guaranteed           |
| 68810                            | Blackland Special  | S. E. Redford, Glasgow<br>Guaranteed  |
| 68296                            | Two-in-One   | Manufacturer<br>Guaranteed  |
| 68297                            | Half and Half No. 1  | Manufacturer<br>Guaranteed  |
| 68811<br>68812<br>68813<br>69339 | Climax Acid Phosphate  | Emmett Shearer, Monticello<br>Crawford and Snyder, Milton<br>Hayden Coal and Grain Co., Springfield<br>I. K. Miller and Son, Campbellsville<br>Guaranteed |
| 68300                            | Potato Grower  | Manufacturer<br>Guaranteed  |
| 68301                            | Ammoniated Special   | Manufacturer<br>Guaranteed  |
| 68815                            | 20% Acid Phosphate   | Bob Johnston, Glasgow<br>Guaranteed   |
| 68304                            | Muriate of Potash  | Manufacturer<br>Guaranteed  |
| 68816                            | Nitrate of Soda  | Robinson Sub-Experiment Station,<br>Quicksand<br>Guaranteed   |
| 68306                            | Sulphate of Ammonia  | Manufacturer<br>Guaranteed  |
| 68627                            | Tomato and Corn Formula No. 2                                    | Manufacturer<br>Guaranteed  |
| 69075                            | Ky. Tobacco Grower   | W. C. Richards, Fordsville<br>Guaranteed  |

TABLE I.

| PHOSPHORIC ACID |           |       | Percentage<br>Of Fineness |             | NITROGEN      |       | Equivalent to<br>Ammonia | POTASH  |         | Index of<br>Relative Value | Station<br>Number |
|-----------------|-----------|-------|---------------------------|-------------|---------------|-------|--------------------------|---------|---------|----------------------------|-------------------|
| Available       | Insoluble | Total | Fine Bone                 | Medium Bone | Water Soluble | Total |                          | Muriate | Sulfate |                            |                   |
| 65              | 3.75      | 12.40 |                           |             | 0.95          | 2.45  | 2.97                     | 5.42    |         | 37.6                       | 68807             |
| 30              | 6.80      | 14.60 |                           |             | 1.85          | 2.43  | 2.95                     | 6.34    |         | 39.8                       | 68808             |
| 80              | 2.80      | 11.60 |                           |             | 1.71          | 2.92  | 3.54                     | 6.50    |         | 41.9                       | 68809             |
| 00              | 2.35      | 11.35 |                           |             | 1.62          | 2.36  | 2.87                     | 5.76    |         | 37.8                       | 69074             |
| 00              | 2.00      | 10.00 |                           |             |               | 2.47  | 3.00                     | 6.00    |         | 37.2                       |                   |
| 0.30            | 2.50      | 12.80 |                           |             |               |       |                          | 4.12    | 2.38    | 28.5                       | 68810             |
| 0.00            | 2.00      | 12.00 |                           |             |               |       |                          | 6.00    |         | 27.0                       |                   |
| 7.90            | 11.80     | 19.70 |                           |             | 1.15          | 1.95  | 2.37                     | 1.98    |         | 30.3                       | 68266             |
| 8.00            | 8.00      | 16.00 |                           |             |               | 1.65  | 2.00                     | 2.00    |         | 27.5                       |                   |
| 6.90            | 6.20      | 13.10 |                           |             | 0.91          | 2.06  | 2.50                     | 2.17    |         | 27.5                       | 68297             |
| 6.00            | 6.00      | 12.00 |                           |             |               | 1.65  | 2.00                     | 1.00    |         | 21.7                       |                   |
| 6.10            | 2.50      | 18.60 |                           |             |               |       |                          |         |         | 19.3                       | 68811             |
| 8.50            | 2.20      | 20.70 |                           |             |               |       |                          |         |         | 22.2                       | 68812             |
| 7.70            | 4.30      | 22.00 |                           |             |               |       |                          |         |         | 21.2                       | 68813             |
| 7.45            | 3.40      | 20.85 |                           |             |               |       |                          |         |         | 20.9                       | 69339             |
| 6.00            | 2.00      | 18.00 |                           |             |               |       |                          |         |         | 19.2                       |                   |
| 7.90            | 4.00      | 11.90 |                           |             | 0.20          | 1.60  | 1.94                     | 3.41    |         | 28.3                       | 68300             |
| 8.00            | 2.00      | 10.00 |                           |             |               | 1.65  | 2.00                     | 3.00    |         | 27.1                       |                   |
| 0.90            | 2.60      | 13.50 |                           |             | 1.49          | 3.32  | 4.03                     |         |         | 34.0                       | 68301             |
| 0.00            | 2.00      | 12.00 |                           |             |               | 3.29  | 4.00                     |         |         | 32.3                       |                   |
| 1.10            | 2.10      | 23.20 |                           |             |               |       |                          |         |         | 25.3                       | 68815             |
| 0.00            | 2.00      | 22.00 |                           |             |               |       |                          |         |         | 24.0                       |                   |
|                 |           |       |                           |             |               |       |                          | 51.72   |         | 103.4                      | 68304             |
|                 |           |       |                           |             |               |       |                          | 50.00   |         | 100.0                      |                   |
|                 |           |       |                           |             |               | 14.98 | 18.18                    |         |         | 74.9                       | 68816             |
|                 |           |       |                           |             |               | 14.83 | 18.00                    |         |         | 74.2                       |                   |
|                 |           |       |                           |             |               | 20.88 | 25.34                    |         |         | 104.4                      | 68306             |
|                 |           |       |                           |             |               | 20.60 | 25.00                    |         |         | 103.0                      |                   |
| 2.70            | 1.70      | 14.40 |                           |             | 0.80          | 1.54  | 1.87                     | 6.32    |         | 40.1                       | 68627             |
| 2.00            | 2.00      | 14.00 |                           |             |               | 1.65  | 2.00                     | 6.00    |         | 39.9                       |                   |
| 3.40            | 2.10      | 8.50  |                           |             | 0.92          | 1.78  | 2.16                     | 2.54    |         | 24.4                       | 69075             |
| 3.00            | 2.00      | 8.00  |                           |             |               | 1.65  | 2.00                     | 2.00    |         | 22.1                       |                   |



TABLE I.

| Station<br>Number                | Name and Address of Manufacturer<br>and Name of Brand   | From Whom Obtained  |
|----------------------------------|---|---|
| 68817<br>68818<br>69077<br>69340 | <b>International Agricultural Corpora-<br/>tion, Inc., Cincinnati, O.</b><br>I. A. C. Standard Acid Phosphate | S. A. Montgomery, McKinney<br>C. M. Langdon, Science Hill<br>W. E. Ellis and Bro., Hartford<br>W. D. Dickinson, Glasgow<br>Guaranteed |
| 68506                            | I. A. C. Bone Mixture   | Manufacturer<br>Guaranteed  |
| 68507                            | Henderson High Grade Tobacco<br>Grower  | Manufacturer<br>Guaranteed  |
| 68508                            | Henderson High Grade Acid Phos-<br>phate  | Manufacturer<br>Guaranteed  |
| 68509                            | Multiple Strength 4-24-4  | Manufacturer<br>Guaranteed  |
| 68510                            | Multiple Strength Twenty-Twenty   | Manufacturer<br>Guaranteed  |
| 68514                            | I. A. C. High Grade Fertilizer  | Manufacturer<br>Guaranteed  |
| 68515                            | I. A. C. Standard Fertilizer  | Manufacturer<br>Guaranteed  |
| 68517                            | I. A. C. Complete Fertilizer  | Manufacturer<br>Guaranteed  |
| 68519                            | I. A. C. High Grade Special   | Manufacturer<br>Guaranteed  |
| 68822                            | I. A. C. 20% Acid Phosphate   | S. A. Montgomery, McKinney<br>Guaranteed  |
| 68522                            | Buffalo Tobacco Special   | Manufacturer<br>Guaranteed  |
| 68525                            | Buffalo Crop Grower   | Manufacturer<br>Guaranteed  |

TABLE I.

| PHOSPHORIC ACID |           |       | Percentage<br>Of Fineness |             | NITROGEN      |       | Equivalent to<br>Ammonia | POTASH  |         | Index of<br>Relative Value | Station<br>Number |
|-----------------|-----------|-------|---------------------------|-------------|---------------|-------|--------------------------|---------|---------|----------------------------|-------------------|
| Available       | Insoluble | Total | Fine Bone                 | Medium Bone | Water Soluble | Total |                          | Muriate | Sulfate |                            |                   |
| 1.90            | 2.00      | 17.90 |                           |             |               |       |                          |         |         | 19.1                       | 68817             |
| 1.20            | 1.90      | 19.10 |                           |             |               |       |                          |         |         | 20.6                       | 68818             |
| 1.70            | 1.50      | 18.20 |                           |             |               |       |                          |         |         | 20.0                       | 69077             |
| 1.05            | 1.65      | 18.70 |                           |             |               |       |                          |         |         | 20.5                       | 69340             |
| 1.00            | 2.00      | 18.00 |                           |             |               |       |                          |         |         | 19.2                       |                   |
|                 |           | 25.10 | 78                        | 22          |               | 1.08  | 1.31                     |         |         | 25.5                       | 68506             |
|                 |           | 22.00 |                           |             |               | 0.82  | 1.00                     |         |         | 21.7                       |                   |
| 0.20            | 4.30      | 14.50 |                           |             | 1.48          | 2.47  | 3.00                     |         | 3.33    | 36.0                       | 68507             |
| 0.00            | 4.00      | 14.00 |                           |             |               | 2.47  | 3.00                     |         | 3.00    | 35.0                       |                   |
| 6.65            | 2.80      | 19.45 |                           |             |               |       |                          |         |         | 20.0                       | 68508             |
| 6.00            | 2.00      | 18.00 |                           |             |               |       |                          |         |         | 19.2                       |                   |
| 23.80           | 1.75      | 25.55 |                           |             | 2.71          | 3.22  | 3.91                     | 4.34    |         | 61.2                       | 68509             |
| 24.00           | 1.00      | 25.00 |                           |             |               | 3.29  | 4.00                     | 4.00    |         | 60.9                       |                   |
| 20.65           | 1.65      | 22.30 |                           |             |               |       |                          | 20.38   |         | 71.7                       | 68510             |
| 20.00           | 1.00      | 21.00 |                           |             |               |       |                          | 20.00   |         | 70.4                       |                   |
| 2.70            | 2.35      | 15.05 |                           |             | 1.28          | 1.67  | 2.03                     | 2.25    |         | 32.8                       | 68514             |
| 2.00            | 4.00      | 16.00 |                           |             |               | 1.65  | 2.00                     | 2.00    |         | 31.9                       |                   |
| 8.35            | 9.85      | 18.20 |                           |             | 1.20          | 1.65  | 2.00                     | 2.28    |         | 29.3                       | 68515             |
| 8.00            | 4.00      | 12.00 |                           |             |               | 1.65  | 2.00                     | 2.00    |         | 25.9                       |                   |
| 9.15            | 9.35      | 18.50 |                           |             | 0.73          | 0.98  | 1.19                     | 4.46    |         | 31.3                       | 68517             |
| 8.00            | 4.00      | 12.00 |                           |             |               | 0.82  | 1.00                     | 4.00    |         | 25.7                       |                   |
| 0.30            | 7.20      | 17.50 |                           |             | 1.81          | 2.41  | 2.93                     |         |         | 30.4                       | 68519             |
| 0.00            | 5.00      | 15.00 |                           |             |               | 2.47  | 3.00                     |         |         | 29.4                       |                   |
| 1.10            | 0.60      | 21.70 |                           |             |               |       |                          |         |         | 25.3                       | 68822             |
| 0.00            | 1.00      | 21.00 |                           |             |               |       |                          |         |         | 24.0                       |                   |
| 9.15            | 5.25      | 14.40 |                           |             | 1.29          | 1.68  | 2.04                     | 0.96    | 9.47    | 45.1                       | 68522             |
| 8.00            | 4.00      | 12.00 |                           |             |               | 1.65  | 2.00                     |         | 10.00   | 41.9                       |                   |
| 2.70            | 2.35      | 15.05 |                           |             | 1.28          | 1.67  | 2.03                     | 2.25    |         | 32.8                       | 68525             |
| 2.00            | 4.00      | 16.00 |                           |             |               | 1.65  | 2.00                     | 2.00    |         | 31.9                       |                   |

TABLE I.

| Station<br>Number                                  | Name and Address of Manufacturer<br>and Name of Brand   | From Whom Obtained  |
|--|---|---|
| 69083<br>69084                                     | <b>International Agricultural Corpora-<br/>tion, Inc., Cincinnati, O.</b><br>Buffalo Tobacco and Corn Grower      | London Hdw. Co., London<br>B. F. Beard and Co., Hardinsburg<br>Guaranteed   |
| 68532  | Buffalo 20% Acid Phosphate  | Manufacturer<br>Guaranteed  |
| 68825<br>69342<br>69343<br>69344<br>69090<br>69091 | Buffalo 46% Acid Phosphate  | R. F. Emmons, Tollesboro<br>Coffee and Van Hook, Moreland<br>Earl F. Wright, Harned<br>Austin Dowell, Harned<br>W. H. Lynch, Leitchfield<br>Walton Sanitary Flour Mills, Walton<br>Guaranteed |
| 68531  | Buffalo Special Bone and Phosphate  | Manufacturer<br>Guaranteed  |
| 68535  | Buffalo Bone Meal   | Manufacturer<br>Guaranteed  |
| 68224  | <b>Jarecki Chemical Co. (Armour owned),<br/>Louisville, Cincinnati, Nashville.</b><br>Jarecki's 2-10-4 Fertilizer | Manufacturer<br>Guaranteed  |
| 68225  | Jarecki's 1-12-1 Fertilizer   | Manufacturer<br>Guaranteed  |
| 68226  | Jarecki's 2-8-2 Fertilizer  | Manufacturer<br>Guaranteed  |
| 68227  | Jarecki's 2-12-0 Fertilizer   | Manufacturer<br>Guaranteed  |
| 68228  | Jarecki's 1-8-1 Fertilizer  | Manufacturer<br>Guaranteed  |
| 68229  | Jarecki's 0-12-1 Fertilizer   | Manufacturer<br>Guaranteed  |
| 68230  | Jarecki's Bone Meal   | Manufacturer<br>Guaranteed  |

TABLE I.

| PHOSPHORIC ACID |       |       | Percentage<br>Of Fineness |             | NITROGEN      |       | Equivalent to<br>Ammonia | POTASH  |         | Index of<br>Relative Value | Station<br>Number |
|-----------------|-------|-------|---------------------------|-------------|---------------|-------|--------------------------|---------|---------|----------------------------|-------------------|
| Insoluble       | Total |       | Fine Bone                 | Medium Bone | Water Soluble | Total |                          | Muriate | Sulfate |                            |                   |
| 7.0             | 2.40  | 10.30 |                           |             | 1.13          | 1.68  | 2.04                     | 0.84    | 1.55    | 26.0                       | 69083             |
| 8.5             | 3.20  | 11.35 |                           |             | 0.97          | 1.62  | 1.97                     | 0.52    | 1.73    | 26.1                       | 69084             |
| 9.0             | 4.00  | 12.00 |                           |             |               | 1.65  | 2.00                     |         | 2.00    | 25.9                       |                   |
| 9.0             | 0.40  | 20.20 |                           |             |               |       |                          |         |         | 23.8                       | 68532             |
| 9.0             | 1.00  | 21.00 |                           |             |               |       |                          |         |         | 24.0                       |                   |
| 6.50            | 2.50  | 19.00 |                           |             |               |       |                          |         |         | 19.8                       | 68825             |
| 6.45            | 2.35  | 18.80 |                           |             |               |       |                          |         |         | 19.7                       | 69342             |
| 6.35            | 1.95  | 18.30 |                           |             |               |       |                          |         |         | 19.6                       | 69343             |
| 6.20            | 2.00  | 18.20 |                           |             |               |       |                          |         |         | 19.4                       | 69344             |
| 6.75            | 1.45  | 19.20 |                           |             |               |       |                          |         |         | 21.3                       | 69090             |
| 6.30            | 0.50  | 18.80 |                           |             |               |       |                          |         |         | 22.0                       | 69091             |
| 6.00            | 2.00  | 18.00 |                           |             |               |       |                          |         |         | 19.2                       |                   |
|                 |       | 25.10 | 78                        | 22          |               | 1.08  | 1.31                     |         |         | 25.5                       | 68534             |
|                 |       | 22.00 |                           |             |               | 0.82  | 1.00                     |         |         | 21.7                       |                   |
|                 |       | 27.50 | 83                        | 17          |               | 2.09  | 2.54                     |         |         | 32.5                       | 68535             |
|                 |       | 27.00 |                           |             |               | 1.65  | 2.00                     |         |         | 29.9                       |                   |
| 15.00           | 2.00  | 13.15 |                           |             | 1.71          | 2.08  | 2.53                     | 4.52    |         | 37.0                       | 68224             |
|                 | 1.00  | 11.00 |                           |             |               | 1.65  | 2.00                     | 4.00    |         | 31.7                       |                   |
| 9.95            | 2.25  | 15.20 |                           |             | 0.85          | 1.12  | 1.36                     | 1.18    |         | 28.3                       | 68225             |
| 9.00            | 1.00  | 13.00 |                           |             |               | 0.82  | 1.00                     | 1.00    |         | 24.5                       |                   |
| 9.30            | 2.70  | 12.00 |                           |             | 1.66          | 2.14  | 2.60                     | 2.29    |         | 25.3                       | 68226             |
| 9.00            | 1.00  | 9.00  |                           |             |               | 1.65  | 2.00                     | 2.00    |         | 24.7                       |                   |
| 9.95            | 1.95  | 14.90 |                           |             | 1.56          | 1.94  | 2.36                     |         |         | 29.9                       | 68227             |
| 9.00            | 1.00  | 13.00 |                           |             |               | 1.65  | 2.00                     |         |         | 26.7                       |                   |
| 9.10            | 2.90  | 12.00 |                           |             | 0.75          | 0.95  | 1.15                     | 1.32    |         | 22.2                       | 68228             |
| 9.00            | 1.00  | 9.00  |                           |             |               | 0.82  | 1.00                     | 1.00    |         | 18.5                       |                   |
| 9.00            | 2.00  | 15.00 |                           |             |               |       |                          | 3.99    |         | 27.5                       | 68229             |
| 9.00            | 1.00  | 13.00 |                           |             |               |       |                          | 4.00    |         | 26.0                       |                   |
|                 |       | 27.10 | 67                        | 33          |               | 2.43  | 2.95                     |         |         | 33.8                       | 68230             |
|                 |       | 27.00 |                           |             |               | 2.47  | 3.00                     |         |         | 34.0                       |                   |

TABLE I.

| Station Number | Name and Address of Manufacturer and Name of Brand   | From Whom Obtained   |
|----------------|--|--|
| 68231          | Jarecki Chemical Co. (Armour owned),<br>Louisville, Cincinnati, Nashville.<br>Jarecki's Raw Bone ..... | Manufacturer<br>Guaranteed .....                           |
| 68232          | Jarecki's 16% Acid Phosphate .....   | Manufacturer<br>Guaranteed .....                           |
| 68233          | Jarecki's 20% Superphosphate .....   | Manufacturer<br>Guaranteed .....                           |
| 68234          | Jarecki's 4-16-4 Fertilizer .....  | Manufacturer<br>Guaranteed .....                           |
| 68826          | Jarecki's Burley Tobacco Grower .....  | Harrodsburg Implement Co., Harrodsburg<br>Guaranteed ..... |
| 68236          | Jarecki's Potato Grower .....  | Manufacturer<br>Guaranteed .....                           |
| 68237          | Jarecki's Plant Bed Special .....  | Manufacturer<br>Guaranteed .....                           |
| 68238          | Jarecki's Dark Tobacco Grower .....  | Manufacturer<br>Guaranteed .....                           |
| 68239          | Jarecki's 2-16-2 Fertilizer .....  | Manufacturer<br>Guaranteed .....                           |
| 68240          | Jarecki's 2-12-2 Fertilizer .....  | Manufacturer<br>Guaranteed .....                           |
| 68241          | Jarecki's 2-12-6 Fertilizer .....  | Manufacturer<br>Guaranteed .....                           |
| 68242          | Jarecki's 0-10-10 Fertilizer .....   | Manufacturer<br>Guaranteed .....                           |
| 68243          | Jarecki's 1-8-4 Fertilizer .....   | Manufacturer<br>Guaranteed .....                           |
| 68643          | Jarecki's Indian Brand Tobacco and<br>Potato Fertilizer .....  | Manufacturer<br>Guaranteed .....                           |
| 68969          | Jarecki's 2-16-8 Fertilizer .....  | *<br>Guaranteed .....                                      |

\* The manufacturer failed to furnish sample as required by law.

TABLE I.

| PHOSPHORIC ACID |              |                | Percentage<br>Of Fineness |             | NITROGEN      |              | Equivalent to<br>Ammonia | POTASH         |              | Index of<br>Relative Value | Station<br>Number |
|-----------------|--------------|----------------|---------------------------|-------------|---------------|--------------|--------------------------|----------------|--------------|----------------------------|-------------------|
|                 | Insoluble    | Total          | Fine Bone                 | Medium Bone | Water Soluble | Total        |                          | Muriate        | Sulfate      |                            |                   |
|                 |              | 24.20<br>22.00 | 100                       |             |               | 4.02<br>3.71 | 4.88<br>4.50             |                |              | 39.5<br>36.2               | 68231             |
| 120<br>1.00     | 1.70<br>1.00 | 18.90<br>17.00 |                           |             |               |              |                          |                |              | 20.6<br>19.2               | 68232             |
| 230<br>2.00     | 0.40<br>1.00 | 21.70<br>21.00 |                           |             |               |              |                          |                |              | 25.6<br>24.0               | 68233             |
| 150<br>1.00     | 0.90<br>1.00 | 16.40<br>17.00 |                           |             | 3.20          | 3.20<br>3.29 | 3.88<br>4.00             | 4.97<br>4.00   |              | 49.6<br>48.9               | 68234             |
| 40<br>0.00      | 1.00<br>1.00 | 9.40<br>9.00   |                           |             | 1.36          | 2.43<br>2.47 | 2.95<br>3.00             |                | 5.58<br>6.00 | 36.3<br>36.8               | 68826             |
| 10<br>0.00      | 1.40<br>1.00 | 9.50<br>9.00   |                           |             | 1.91          | 2.72<br>2.47 | 3.30<br>3.00             | 0.88           | 4.92<br>6.00 | 37.9<br>36.8               | 68236             |
| 80<br>0.00      | 1.70<br>1.00 | 10.50<br>9.00  |                           |             | 2.16          | 3.49<br>3.29 | 4.24<br>4.00             |                | 3.41<br>3.00 | 38.2<br>34.9               | 68237             |
| 70<br>0.00      | 2.50<br>1.00 | 11.20<br>9.00  |                           |             | 1.22          | 1.84<br>1.65 | 2.23<br>2.00             | 0.56           | 3.92<br>4.00 | 32.2<br>28.7               | 68238             |
| 90<br>0.00      | 0.50<br>1.00 | 17.40<br>17.00 |                           |             | 2.07          | 2.07<br>1.65 | 2.51<br>2.00             | 2.62<br>2.00   |              | 41.1<br>36.7               | 68239             |
| 80<br>0.00      | 1.60<br>1.00 | 14.40<br>13.00 |                           |             | 1.55          | 1.84<br>1.65 | 2.23<br>2.00             | 2.23<br>2.00   |              | 33.5<br>30.7               | 68240             |
| 25<br>0.00      | 1.00<br>1.00 | 13.25<br>13.00 |                           |             | 1.47          | 1.82<br>1.65 | 2.21<br>2.00             | 6.42<br>6.00   |              | 40.7<br>38.7               | 68241             |
| 35<br>0.00      | 1.50<br>1.00 | 11.85<br>11.00 |                           |             |               |              |                          | 11.18<br>10.00 |              | 37.9<br>35.0               | 68242             |
| 90<br>0.00      | 2.60<br>1.00 | 11.50<br>9.00  |                           |             | 0.50          | 0.91<br>0.82 | 1.10<br>1.00             | 0.92<br>4.00   | 3.03         | 26.8<br>24.5               | 68243             |
| 110<br>1.00     | 1.40<br>1.00 | 9.50<br>9.00   |                           |             | 1.91          | 2.72<br>2.47 | 3.30<br>3.00             | 0.88           | 4.92<br>6.00 | 37.9<br>36.8               | 68643             |
| 6.00            | 1.00         | 17.00          |                           |             |               | 1.65         | 2.00                     | 8.00           |              | 48.7                       | 68969             |



TABLE I.

| Station<br>Number | Name and Address of Manufacturer<br>and Name of Brand                  | From Whom Obtained  |
|-------------------|--|---|
|                   | <b>Ky. Fert. Co., Br. Federal Chem. Co., Inc.,<br/>Louisville, Ky.</b> |   |
| 68439             | O. K. Special Mixture.....   | Manufacturer<br>Guaranteed.....   |
| 68827<br>69345    | O. K. Grain Grower.....  | Smith and Smith Co., Shepherdsville.<br>Smith and Smith Co., Shepherdsville.<br>Guaranteed..... |
| 68828             | O. K. Corn, Wheat and Oats Grower.....                                 | J. W. Burton, Columbia.....<br>Guaranteed.....  |
| 68443             | O. K. Special.....   | Manufacturer<br>Guaranteed.....   |
| 69429             | O. K. Wheat and Grain Special.....                                     | City Feed and Flour Co., Mayfield.<br>Guaranteed.....   |
| 69346             | O. K. Corn and Wheat Grower.....                                       | J. S. Noe, Rowland.....<br>Guaranteed.....  |
| 68829             | O. K. Tobacco Fertilizer.....  | Smith and Smith Co., Shepherdsville.<br>Guaranteed.....   |
| 69347             | O. K. High Grade Mixture.....  | Smith and Smith Co., Shepherdsville.<br>Guaranteed.....   |
| 68448             | O. K. Crop and Tobacco Grower.....                                     | Manufacturer<br>Guaranteed.....   |
| 69093<br>69094    | Golden Leaf Tobacco Grower.....  | W. L. Kimbrough and Son, Guthrie.<br>J. S. Noe, Stanford.<br>Guaranteed.....                    |
| 68450             | O. K. Tobacco and Vegetable Grower.....                                | Manufacturer<br>Guaranteed.....   |
| 68451             | O. K. Mixture.....   | Manufacturer<br>Guaranteed.....   |
| 68452             | O. K. Ammoniated Phosphate.....  | Manufacturer<br>Guaranteed.....   |
| 68453             | O. K. Half and Half Meal Mixture.....                                  | Manufacturer<br>Guaranteed.....   |

TABLE I.

| PHOSPHORIC ACID      |                         | Percentage Of Fineness |             | NITROGEN      |                      | Equivalent to Ammonia | POTASH               |              | Index of Relative Value | Station Number |
|----------------------|-------------------------|------------------------|-------------|---------------|----------------------|-----------------------|----------------------|--------------|-------------------------|----------------|
| Insoluble            | Total                   | Fine Bone              | Medium Bone | Water Soluble | Total                |                       | Muriate              | Sulfate      |                         |                |
| 1.85<br>2.00         | 17.30<br>13.50          |                        |             | 0.84          | 0.84<br>0.41         | 1.02<br>0.50          | 1.02<br>0.50         |              | 30.2<br>21.1            | 68439          |
| 1.40<br>1.00<br>2.00 | 14.20<br>11.50<br>13.00 |                        |             |               | 0.37<br>0.43<br>0.41 | 0.45<br>0.52<br>0.50  | 0.92<br>1.21<br>1.00 |              | 23.5<br>20.7<br>21.4    | 68827<br>69345 |
| 2.90<br>2.00         | 14.70<br>13.00          |                        |             | 0.20          | 0.48<br>0.41         | 0.58<br>0.50          | 0.96<br>1.00         |              | 23.2<br>21.4            | 68828          |
| 1.60<br>2.00         | 15.50<br>13.00          |                        |             | 0.71          | 0.71<br>0.41         | 0.86<br>0.50          |                      | 6.63<br>5.00 | 38.3<br>29.4            | 68443          |
| 1.70<br>2.00         | 13.60<br>13.50          |                        |             | 0.62          | 1.06<br>0.41         | 1.29<br>0.50          | 1.16<br>0.50         |              | 26.2<br>21.1            | 69429          |
| 2.95<br>2.00         | 14.10<br>12.00          |                        |             |               | 0.75<br>0.82         | 0.91<br>1.00          | 1.87<br>2.00         |              | 25.4<br>23.9            | 69346          |
| 0.60<br>2.00         | 11.80<br>12.00          |                        |             |               | 0.82<br>0.82         | 1.00<br>1.00          | 2.22<br>2.00         |              | 25.6<br>23.9            | 68829          |
| 1.95<br>2.00         | 13.40<br>13.00          |                        |             | 0.28          | 0.94<br>0.82         | 1.14<br>1.00          | 2.85<br>3.00         |              | 28.4<br>27.4            | 69347          |
| 2.00<br>2.00         | 14.50<br>10.00          |                        |             | 1.22          | 1.22<br>0.82         | 1.48<br>1.00          |                      | 4.73<br>4.00 | 35.1<br>24.9            | 68448          |
| 0.90<br>0.70<br>2.00 | 9.70<br>8.85<br>10.00   |                        |             | 0.41<br>0.59  | 1.55<br>1.57<br>1.65 | 1.88<br>1.91<br>2.00  | 1.89<br>2.13<br>2.00 |              | 25.1<br>24.6<br>25.1    | 69093<br>69094 |
| 1.80<br>2.00         | 12.70<br>10.00          |                        |             | 1.91          | 1.91<br>1.23         | 2.32<br>1.50          | 0.80                 | 7.88<br>6.00 | 44.0<br>31.0            | 68450          |
| 1.90<br>2.00         | 17.55<br>14.00          |                        |             | 0.72          | 0.72<br>0.41         | 0.87<br>0.50          |                      |              | 27.8<br>20.9            | 68451          |
| 1.00<br>2.00         | 18.75<br>17.00          |                        |             | 0.69          | 0.69<br>0.41         | 0.84<br>0.50          |                      |              | 30.5<br>25.4            | 68452          |
| 9.05<br>10.00        | 20.65<br>20.00          |                        |             | 1.93          | 2.15<br>1.65         | 2.61<br>2.00          |                      |              | 31.8<br>27.3            | 68453          |

TABLE I

| Station<br>Number       | Name and Address of Manufacturer<br>and Name of Brand                  | From Whom Obtained  |
|-------------------------|--|---|
|                         | <b>Ky. Fert. Co., Br. Federal Chem. Co., Inc.,<br/>Louisville, Ky.</b> |   |
| 68454                   | O. K. Potash Special.....  | Manufacturer.....<br>Guaranteed.....  |
| 68832<br>69348<br>69430 | †O. K. High Grade Phosphate  | J. W. Burton, Columbia.....<br>Guenther Hdw. Co., Owensboro.....<br>City Feed and Flour Co., Mayfield.....<br>Guaranteed..... |
| 68456                   | O. K. Phosphate..  | Manufacturer.....<br>Guaranteed.....  |
| 68833                   | O. K. Standard Phosphate.....  | Smith and Smith Co., Shepherdsville.....<br>Guaranteed.....   |
| 68458                   | O. K. Special Phosphate Mixture...                                     | Manufacturer.....<br>Guaranteed.....  |
| 69095                   | O. K. Raw Bone ...   | W. L. Kimbrough and Son, Guthrie.....<br>Guaranteed.....  |
|                         | <b>Knoxville Fertilizer Co., Knoxville,<br/>Tenn.</b>                  |   |
| 67914                   | Dark Tobacco Brand.....  | Manufacturer.....<br>Guaranteed.....  |
| 69096                   | Knox Home Grower..   | Hignite and Patterson, Barbourville.....<br>Guaranteed.....   |
| 69350                   | †Basic Ten-O-Four  | W. B. Robertson, Springfield, Tenn.....<br>Guaranteed.....  |
| 68835<br>69351<br>69352 | Knox Magnesia Phosphate  | W. W. Taylor, Somerset.....<br>W. W. Taylor, Somerset.....<br>W. B. Robertson, Springfield, Tenn.....<br>Guaranteed.....      |
| 68836<br>68837          | Bright Burley Brand ..   | W. W. Taylor, Somerset.....<br>Hudson and Davis, Danville.....<br>Guaranteed.....   |
| 68838                   | Knox Vegetable Grower..  | W. W. Taylor, Somerset.....<br>Guaranteed.....  |
| 68595                   | Knox Blood and Bone...   | Manufacturer.....<br>Guaranteed.....  |

TABLE I.

| PHOSPHORIC ACID |                | Percentage Of Fineness |             | NITROGEN      |              | Equivalent to Ammonia | POTASH       |              | Index of Relative Value | Station Number |
|-----------------|----------------|------------------------|-------------|---------------|--------------|-----------------------|--------------|--------------|-------------------------|----------------|
| Insoluble       | Total          | Fine Bone              | Medium Bone | Water Soluble | Total        |                       | Muriate      | Sulfate      |                         |                |
| 2.80            | 16.80          |                        |             |               |              |                       | 3.05<br>2.00 |              | 27.1<br>19.0            | 68454          |
| 1.40            | 17.50          |                        |             |               |              |                       |              |              | 19.3                    | 68832          |
| 1.45            | 17.90          |                        |             |               |              |                       |              |              | 19.7                    | 69348          |
| 2.30            | 17.90          |                        |             |               |              |                       |              |              | 18.7<br>19.2            | 69430          |
| 1.50            | 18.75          |                        |             |               |              |                       |              |              | 20.7<br>16.8            | 68456          |
| 0.70            | 16.40          |                        |             |               |              |                       |              |              | 18.8<br>14.4            | 68833          |
| 13.25<br>10.00  | 24.80<br>20.00 |                        |             |               |              |                       |              |              | 13.9<br>12.0            | 68458          |
|                 | 24.50<br>22.00 | 35                     | 65          |               | 4.01<br>3.71 | 4.87<br>4.50          |              |              | 39.7<br>36.2            | 69095          |
| 1.70            | 10.60          |                        |             | 1.19          | 1.95<br>2.00 | 2.37<br>2.43          | 3.55         | 4.00         | 30.9<br>31.5            | 67914          |
| 1.65            | 9.85           |                        |             | 1.28          | 1.60<br>1.65 | 1.94<br>2.00          | 1.68<br>2.00 |              | 24.3<br>24.3            | 69096          |
| 5.40            | 16.15          |                        |             |               |              |                       | 3.93<br>4.00 |              | 24.0<br>23.0            | 69350          |
| 1.20            | 17.90          |                        |             |               |              |                       |              |              | 20.0                    | 68835          |
| 2.70            | 18.80          |                        |             |               |              |                       |              |              | 19.3                    | 69351          |
| 3.90            | 19.40          |                        |             |               |              |                       |              |              | 18.6<br>19.2            | 69352          |
| 1.90            | 11.90          |                        |             | 1.16          | 1.95         | 2.37                  | 1.20         | 1.61         | 31.1                    | 68836          |
| 2.00            | 11.35          |                        |             | 1.30          | 2.09<br>2.00 | 2.54<br>2.43          | 1.12         | 1.87<br>3.00 | 31.3<br>29.5            | 68837          |
| 2.20            | 11.00          |                        |             | 1.87          | 2.39<br>1.65 | 2.90<br>2.00          | 3.73<br>4.00 |              | 33.4<br>28.3            | 68838          |
| 1.90            | 13.55          |                        |             | 0.61          | 0.99<br>1.00 | 1.20<br>1.21          | 1.96<br>1.00 |              | 27.1<br>22.0            | 68595          |

| Station<br>Number | Name and Address of Manufacturer<br>and Name of Brand  | From Whom Obtained   |
|-------------------|--|--|
| 68610             | <b>Knoxville Fertilizer Co., Knoxville,<br/>Tenn.</b><br>Half and Half (Acid Phosphate and<br>Bone Meal)   | Manufacturer<br>Guaranteed   |
| 68611             | Raw Bone Meal  | Manufacturer<br>Guaranteed   |
| 69177             | Basic Bone Mix   | Manufacturer<br>Guaranteed   |
| 68840<br>68841    | <b>Louisville Fertilizer Co., (owned and<br/>operated by Armour Fert. Wks.),<br/>Louisville, Cincinnati, Nashville.</b><br>†Louisville Burley Tobacco Grower | R. J. Wilcoxson, Greensburg<br>S. A. Browning, Vanceburg<br>Guaranteed |
| 68183             | Louisville Potato Grower   | Manufacturer<br>Guaranteed   |
| 69097             | †Louisville Dark Tobacco Grower  | Elkins and Kimmel, Greenville<br>Guaranteed                            |
| 68186             | Louisville 2-16-2 Fertilizer   | Manufacturer<br>Guaranteed   |
| 68187             | Louisville 2-12-2 Fertilizer   | Manufacturer<br>Guaranteed   |
| 68845             | Louisville 2-10-4 Fertilizer   | J. T. Richardson, Campbellsville<br>Guaranteed                         |
| 68846             | Louisville 1-12-1 Fertilizer   | J. T. Richardson, Campbellsville<br>Guaranteed                         |
| 69353             | Louisville 2-8-2 Fertilizer  | D. L. D. Sandefur, Beaver Dam<br>Guaranteed                            |
| 68191             | Louisville 2-12-0 Fertilizer   | Manufacturer<br>Guaranteed   |
| 68192             | Louisville 1-8-1 Fertilizer  | Manufacturer<br>Guaranteed   |

TABLE I.

| PHOSPHORIC ACID      |                      | Percentage Of Fineness |             | NITROGEN      |                      | Equivalent to Ammonia | POTASH       |                      | Index of Relative Value | Station Number |
|----------------------|----------------------|------------------------|-------------|---------------|----------------------|-----------------------|--------------|----------------------|-------------------------|----------------|
| Insoluble            | Total                | Fine Bone              | Medium Bone | Water Soluble | Total                |                       | Muriate      | Sulfate              |                         |                |
|                      | 20.25<br>20.00       | 89                     | 11          |               | 2.38<br>1.65         | 2.89<br>2.00          |              |                      | 28.1<br>24.3            | 68610          |
|                      | 24.05<br>20.00       | 61                     | 39          |               | 4.25<br>3.50         | 5.16<br>4.25          |              |                      | 40.5<br>33.5            | 68611          |
| 4.90<br>1.00         | 16.15<br>11.00       |                        |             | 1.26          | 1.72<br>1.65         | 2.09<br>2.00          | 2.92<br>2.00 |                      | 33.3<br>27.7            | 69177          |
| 2.00<br>2.10<br>1.00 | 9.40<br>9.70<br>9.00 |                        |             | 1.56<br>1.42  | 2.54<br>2.54<br>2.47 | 3.08<br>3.08<br>3.00  | 0.68         | 5.70<br>5.22<br>6.00 | 36.0<br>36.5<br>36.8    | 68840<br>68841 |
| 1.40<br>1.00         | 9.50<br>9.00         |                        |             | 1.91          | 2.72<br>2.47         | 3.30<br>3.00          | 0.88         | 4.92<br>6.00         | 37.9<br>36.8            | 68183          |
| 4.30<br>1.00         | 11.90<br>9.00        |                        |             | 1.22          | 1.91<br>1.65         | 2.32<br>2.00          | 1.48         | 2.23<br>4.00         | 30.1<br>28.7            | 69097          |
| 0.50<br>1.00         | 17.40<br>17.00       |                        |             | 2.07          | 2.07<br>1.65         | 2.51<br>2.00          | 2.62<br>2.00 |                      | 41.1<br>36.7            | 68186          |
| 1.60<br>1.00         | 14.40<br>13.00       |                        |             | 1.55          | 1.84<br>1.65         | 2.23<br>2.00          | 2.23<br>2.00 |                      | 33.5<br>30.7            | 68187          |
| 1.00<br>1.00         | 10.80<br>11.00       |                        |             | 1.22          | 1.70<br>1.65         | 2.06<br>2.00          | 2.96<br>4.00 | 0.90                 | 31.3<br>31.7            | 68845          |
| 1.80<br>1.00         | 13.80<br>13.00       |                        |             | 0.52          | 0.83<br>0.82         | 1.01<br>1.00          | 1.24<br>1.00 | 1.05                 | 27.5<br>24.5            | 68846          |
| 2.30<br>1.00         | 14.10<br>9.00        |                        |             |               | 2.07<br>1.65         | 2.51<br>2.00          | 2.70<br>2.00 |                      | 34.4<br>24.7            | 69353          |
| 1.95<br>1.00         | 14.90<br>13.00       |                        |             | 1.56          | 1.94<br>1.65         | 2.36<br>2.00          |              |                      | 29.9<br>26.7            | 68191          |
| 2.90<br>1.00         | 12.00<br>9.00        |                        |             | 0.75          | 0.95<br>0.82         | 1.15<br>1.00          | 1.32<br>1.00 |                      | 22.2<br>18.5            | 68192          |



TABLE I.

| Station Number                            | Name and Address of Manufacturer and Name of Brand  | From Whom Obtained  |
|---|---|---|
|   | <b>Louisville Fertilizer Co., (owned and operated by Armour Fert. Wks.), Louisville, Cincinnati, Nashville.</b> |   |
| 68193                                     | Louisville 4-10-4 Fertilizer.....   | Manufacturer.....<br>Guaranteed.....  |
| 68194                                     | Louisville Bone Meal.....   | Manufacturer.....<br>Guaranteed.....  |
| 69354                                     | Louisville Raw Bone.....  | D. L. D. Sandefur, Beaver Dam.....<br>Guaranteed.....   |
| 69355<br>69356<br>69098                   | Louisville 0-12-4 Fertilizer.....   | Taylor Sullivan, Columbia.....<br>Ratliffe Hdw. Co., Princeton.....<br>Walter Young Coal Co., Owingsville.....<br>Guaranteed.....   |
| 68847<br>68848<br>68849<br>69357<br>69358 | Louisville 16% Acid Phosphate.....  | John B. Marriott, Cecila.....<br>R. J. Wilcoxson, Greensburg.....<br>J. L. Tupman, Cane Valley.....<br>Taylor Sullivan, Columbia.....<br>Ratliffe Hdw. Co., Princeton.....<br>Guaranteed..... |
| 68850                                     | Louisville 20% Superphosphate.....  | R. J. Wilcoxson, Greensburg.....<br>Guaranteed.....   |
| 69099                                     | Louisville Special Tobacco Grower.....  | M. B. Wallingford, Mt. Carmel.....<br>Guaranteed.....   |
| 68201                                     | Louisville 4-12-4 Fertilizer.....   | Manufacturer.....<br>Guaranteed.....  |
| 68203                                     | Louisville Black Patch Special.....   | Manufacturer.....<br>Guaranteed.....  |
| 68967                                     | Louisville 2-16-8 Fertilizer.....   | *.....<br>Guaranteed.....   |

\* The manufacturer failed to furnish sample as required by law.

TABLE I.

| PHOSPHORIC ACID | Percentage Of Fineness |       | NITROGEN  |             | Equivalent to Ammonia | POTASH        |       | Index of Relative Value | Station Number |         |
|-----------------|------------------------|-------|-----------|-------------|-----------------------|---------------|-------|-------------------------|----------------|---------|
|                 | Insoluble              | Total | Fine Bone | Medium Bone |                       | Water Soluble | Total |                         |                | Muriate |
| 0.00            | 1.85                   | 12.40 |           |             | 2.81                  | 3.37          | 4.09  | 4.51                    | 42.5           | 68193   |
| 0.00            | 1.00                   | 11.00 |           |             |                       | 3.29          | 4.00  | 4.00                    | 39.9           |         |
|                 |                        | 27.10 | 67        | 33          |                       | 2.43          | 2.95  |                         | 33.8           | 68194   |
|                 |                        | 27.00 |           |             |                       | 2.47          | 3.00  |                         | 34.0           |         |
|                 |                        | 23.40 | 100       |             |                       | 4.02          | 4.88  |                         | 38.8           | 69354   |
|                 |                        | 22.00 |           |             |                       | 3.71          | 4.50  |                         | 36.2           |         |
| 5.00            | 2.30                   | 14.05 |           |             |                       |               |       | 3.82                    | 25.3           | 69355   |
| 0.00            | 2.20                   | 14.40 |           |             |                       |               |       | 4.00                    | 26.3           | 69356   |
| 5.00            | 1.35                   | 14.00 |           |             |                       |               |       | 3.72                    | 26.4           | 69098   |
| 0.00            | 1.00                   | 13.00 |           |             |                       |               |       | 4.00                    | 26.4           |         |
| 6.00            | 1.00                   | 17.60 |           |             |                       |               |       |                         | 19.9           | 68847   |
| 3.50            | 0.85                   | 17.50 |           |             |                       |               |       |                         | 20.0           | 68848   |
| 4.00            | 0.90                   | 17.00 |           |             |                       |               |       |                         | 19.3           | 68849   |
| 3.00            | 2.40                   | 18.20 |           |             |                       |               |       |                         | 19.0           | 69357   |
| 3.00            | 2.30                   | 18.60 |           |             |                       |               |       |                         | 19.6           | 69358   |
| 0.00            | 1.00                   | 17.00 |           |             |                       |               |       |                         | 19.2           |         |
| 8.00            | 1.50                   | 21.30 |           |             |                       |               |       |                         | 23.8           | 68850   |
| 0.00            | 1.00                   | 21.00 |           |             |                       |               |       |                         | 24.0           |         |
| 3.00            | 0.70                   | 9.30  |           |             | 0.49                  | 0.80          | 0.97  | 1.33                    | 19.8           | 69099   |
| 0.00            | 1.00                   | 9.00  |           |             |                       | 0.82          | 1.00  | 1.00                    | 18.5           |         |
| 9.00            | 1.80                   | 14.70 |           |             | 3.40                  | 3.72          | 4.52  | 5.34                    | 49.4           | 68201   |
| 0.00            | 1.00                   | 13.00 |           |             |                       | 3.29          | 4.00  | 4.00                    | 42.9           |         |
| 1.00            | 1.40                   | 9.50  |           |             | 1.91                  | 2.72          | 3.30  | 0.88                    | 37.9           | 68203   |
| 0.00            | 1.00                   | 9.00  |           |             |                       | 2.47          | 3.00  | 4.92                    | 36.8           |         |
|                 |                        |       |           |             |                       |               |       | 6.00                    |                |         |
| 0.00            | 1.00                   | 17.00 |           |             |                       | 1.65          | 2.00  | 8.00                    | 48.7           | 68967   |

TABLE I.

| Station Number | Name and Address of Manufacturer and Name of Brand   | From Whom Obtained                            |
|----------------|--|---|
|                | <b>Mt. Pleasant Fert. Co., Subsidiary of Va.-Car. Chem. Co., Inc., Nashville, Memphis, Tenn.</b> |   |
| 68851          | Mt. Pleasant Big Winner Acid Phosphate   | Marion Hardware and Grocery Co. Marion        |
| 68852          |  | Thomas Hinton Co., Bowling Green              |
| 69360          |  | Rupert Devasher, Glasgow                      |
| 69361          |  | R. C. Johnston and W. E. Wilson, Russellville |
| 69362          |  | Grigsby and Co., Bardstown                    |
|                |  | Guaranteed                                    |
| 68143          | Mt. Pleasant High Grade Acid Phosphate   | Manufacturer                                  |
|                |  | Guaranteed                                    |
| 68144          | Mt. Pleasant 24% Acid Phosphate  | Manufacturer                                  |
|                |  | Guaranteed                                    |
| 68145          | Mt. Pleasant Special Tobacco Grower  | *   |
|                |  | Guaranteed                                    |
| 68146          | Mt. Pleasant Black Patch Tobacco Grower  | Manufacturer                                  |
|                |  | Guaranteed                                    |
| 69101          | Mt. Pleasant High Grade Tobacco Grower   | T. H. O'Bryan, Dawson Springs                 |
|                |  | Guaranteed                                    |
| 68148          | Mt. Pleasant Superior Burley Grower  | Manufacturer                                  |
|                |  | Guaranteed                                    |
| 69363          | Grigsby's Special  | Grigsby and Co., Bardstown                    |
|                |  | Guaranteed                                    |
| 69103          | Mt. Pleasant Corn Special  | T. H. O'Bryan, Dawson Springs                 |
|                |  | Guaranteed                                    |
| 68152          | Black Patch Universal  | Manufacturer                                  |
|                |  | Guaranteed                                    |
| 69105          | †Mt. Pleasant Superior Tobacco Grower  | J. Stotz, Greenville                          |
|                |  | Guaranteed                                    |

\* The manufacturer failed to furnish sample as required by law.

TABLE I.

| PHOSPHORIC ACID |       |       | Percentage Of Fineness |             | NITROGEN      |       | Equivalent to Ammonia | POTASH  |         | Index of Relative Value | Station Number |
|-----------------|-------|-------|------------------------|-------------|---------------|-------|-----------------------|---------|---------|-------------------------|----------------|
| Insoluble       | Total |       | Fine Bone              | Medium Bone | Water Soluble | Total |                       | Muriate | Sulfate |                         |                |
| 0               | 2.50  | 21.30 |                        |             |               |       |                       |         |         | 22.6                    | 68851          |
| 5               | 2.80  | 21.35 |                        |             |               |       |                       |         |         | 22.3                    | 68852          |
| 7 0             | 2.90  | 20.60 |                        |             |               |       |                       |         |         | 21.2                    | 69360          |
| 75              | 3.60  | 21.25 |                        |             |               |       |                       |         |         | 21.2                    | 69361          |
| 75              | 1.75  | 19.60 |                        |             |               |       |                       |         |         | 21.4                    | 69362          |
| 100             | 2.00  | 18.00 |                        |             |               |       |                       |         |         | 19.2                    |                |
| 25              | 0.25  | 20.90 |                        |             |               |       |                       |         |         | 24.8                    | 68143          |
| 200             | 2.00  | 22.00 |                        |             |               |       |                       |         |         | 24.0                    |                |
| 290             | 0.25  | 25.15 |                        |             |               |       |                       |         |         | 29.5                    | 68144          |
| 00              | 2.00  | 26.00 |                        |             |               |       |                       |         |         | 28.8                    |                |
| 00              | 2.00  | 10.00 |                        |             |               | 1.23  | 1.50                  |         | 1.50    | 22.0                    | 68145          |
| 10              | 14.05 | 22.15 |                        |             | 0.46          | 0.46  | 0.56                  |         | 1.25    | 22.6                    | 68146          |
| 00              | 2.00  | 9.00  |                        |             |               | 0.41  | 0.50                  |         | 1.00    | 15.4                    |                |
| 95              | 11.45 | 21.40 |                        |             | 1.42          | 1.74  | 2.11                  |         | 2.94    | 34.1                    | 69101          |
| 00              | 2.00  | 10.00 |                        |             |               | 1.65  | 2.00                  |         | 3.00    | 27.1                    |                |
| 10              | 7.95  | 16.05 |                        |             | 0.97          | 1.63  | 1.98                  | 2.48    |         | 28.4                    | 68148          |
| 00              | 2.00  | 10.00 |                        |             |               | 1.65  | 2.00                  |         | 2.00    | 25.1                    |                |
| 70              | 6.40  | 19.10 |                        |             | 0.50          | 0.77  | 0.93                  | 1.11    |         | 27.7                    | 69363          |
| 00              | 2.00  | 12.00 |                        |             |               | 0.82  | 1.00                  |         | 1.00    | 21.9                    |                |
| 90              | 9.30  | 22.20 |                        |             | 0.52          | 0.83  | 1.01                  |         |         | 27.2                    | 69103          |
| 00              | 2.00  | 14.00 |                        |             |               | 0.82  | 1.00                  |         |         | 22.9                    |                |
| 60              | 8.60  | 20.20 |                        |             | 0.91          | 1.77  | 2.15                  |         |         | 29.7                    | 68152          |
| 00              | 2.00  | 12.00 |                        |             |               | 1.65  | 2.00                  |         |         | 24.1                    |                |
| 070             | 13.50 | 24.20 |                        |             |               |       |                       |         | 3.86    | 23.8                    | 69105          |
| 800             | 2.00  | 10.00 |                        |             |               |       |                       |         | 4.00    | 20.0                    |                |

TABLE I.

| Station Number | Name and Address of Manufacturer and Name of Brand   | From Whom Obtained   |
|----------------|--|--|
| 68853          | <b>Mt. Pleasant Fert. Co., Subsidiary of Va.-Car. Chem. Co., Inc., Nashville, Memphis, Tenn.</b>             |  |
| 69106          | Mt. Pleasant Half and Half .....   | Thomas, Hinton Co., Bowling Green.<br>T. H. O'Bryan, Dawson Springs<br>Guaranteed..... |
| 68155          | Mt. Pleasant Raw Bone Meal.....  | Manufacturer.....<br>Guaranteed.....   |
| 69107          | Nitrate of Soda.....   | Ed. G. Scruggs, Adairville.<br>Guaranteed.....   |
| 69165          | Mt. Pleasant Grain Grower.....   | Manufacturer.....<br>Guaranteed.....   |
| 69166          | Mt. Pleasant Wheat Grower.....   | Manufacturer.....<br>Guaranteed.....   |
| 69167          | Mt. Pleasant Special Wheat Grower.....   | Manufacturer.....<br>Guaranteed.....   |
| 69168          | Mt. Pleasant Potato Grower.....  | Manufacturer.....<br>Guaranteed.....   |
| 69170          | Mt. Pleasant Bone Meal and Phosphate.....  | Manufacturer.....<br>Guaranteed.....   |
| 69171          | Mt. Pleasant Pure Bone Meal (Steamed).....   | Manufacturer.....<br>Guaranteed.....   |
| 69172          | Mt. Pleasant Raw Bone Meal.....  | Manufacturer.....<br>Guaranteed.....   |
| 68608          | <b>New Louisville Rendering Co., Inc., Louisville, Ky.</b><br>Pure Animal Matter, Meat, Bones and Blood..... |  |
| 68609          | Pure Bone Meal.....  | Manufacturer.....<br>Guaranteed.....   |
| 68585          | <b>Nitrate Agencies Co., New Orleans, La.</b><br>Nitrate of Soda.....  | Manufacturer.....<br>Guaranteed.....   |

TABLE I.

| PHOSPHORIC ACID |               |                         | Percentage<br>Of Fineness |             | NITROGEN      |                      | Equivalent to<br>Ammonia | POTASH       |         | Index of<br>Relative Value | Station<br>Number |
|-----------------|---------------|-------------------------|---------------------------|-------------|---------------|----------------------|--------------------------|--------------|---------|----------------------------|-------------------|
| Available       | Insoluble     | Total                   | Fine Bone                 | Medium Bone | Water Soluble | Total                |                          | Muriate      | Sulfate |                            |                   |
|                 |               | 24.40<br>24.20<br>20.00 | 85<br>81<br>19            | 15<br>19    |               | 1.57<br>1.74<br>1.65 | 1.91<br>2.11<br>2.00     |              |         | 27.4<br>28.1<br>24.3       | 68853<br>69106    |
|                 |               | 21.35<br>22.00          | 88                        | 12          |               | 4.71<br>3.71         | 5.72<br>4.50             |              |         | 40.6<br>36.2               | 68155             |
|                 |               |                         |                           |             |               | 15.72<br>14.81       | 19.08<br>17.98           |              |         | 78.6<br>74.1               | 69107             |
| 2.75<br>2.00    | 4.85<br>2.00  | 17.60<br>14.00          |                           |             |               |                      |                          | 1.88<br>2.00 |         | 22.9<br>22.0               | 69165             |
| 3.30<br>3.00    | 11.05<br>2.00 | 19.35<br>10.00          |                           |             | 0.39          | 0.73<br>0.82         | 0.89<br>1.00             | 2.08<br>2.00 |         | 24.7<br>20.9               | 69166             |
| 3.20<br>3.00    | 7.90<br>2.00  | 16.10<br>10.00          |                           |             | 0.92          | 1.58<br>1.65         | 1.92<br>2.00             | 2.41<br>2.00 |         | 28.2<br>25.1               | 69167             |
| 3.10<br>2.00    | 0.95<br>2.00  | 14.05<br>14.00          |                           |             | 1.50          | 1.96<br>1.65         | 2.38<br>2.00             | 1.90<br>2.00 |         | 32.6<br>31.1               | 69168             |
|                 |               | 23.90<br>22.00          | 86                        | 14          | 0.93          | 0.93<br>0.82         | 1.13<br>1.00             |              |         | 23.8<br>21.7               | 69170             |
|                 |               | 29.10<br>27.00          | 70                        | 30          |               | 1.42<br>1.65         | 1.72<br>2.00             |              |         | 30.4<br>29.9               | 69171             |
|                 |               | 23.90<br>20.00          | 100                       |             |               | 3.79<br>3.71         | 4.60<br>4.50             |              |         | 38.1<br>34.6               | 69172             |
|                 |               | 12.50<br>10.00          | 72                        | 28          |               | 5.53<br>4.00         | 6.71<br>4.86             |              |         | 37.7<br>28.0               | 68608             |
|                 |               | 23.15<br>22.00          | 57                        | 43          |               | 3.61<br>3.50         | 4.38<br>4.25             |              |         | 36.6<br>35.1               | 68609             |
|                 |               |                         |                           |             |               | 14.64<br>15.00       | 17.78<br>18.21           |              |         | 73.2<br>75.0               | 68585             |



TABLE I.

| Station Number | Name and Address of Manufacturer and Name of Brand  | From Whom Obtained                                  |
|----------------|---|---|
|                | <b>Premier Poultry Manure Co., Chicago, Ill.</b>  |   |
| 68854          | Premier Brand Pulverized Poultry Manure   | Wood, Stubbs and Co., Louisville, Ky.<br>Guaranteed |
|                | <b>Price Chemical Co., Inc., Louisville, Ky.</b>  |   |
| 69108          | †Special Corn and Wheat Fertilizer  | Moore and Hughes, Leitchfield                       |
| 69109          |   | F. R. Dowell, Hardinsburg<br>Guaranteed             |
| 69110          | Walter Crady's Vegetable, Potato and Tobacco Special  | Union Store Co., Fern Creek                         |
| 69111          |   | Moore and Hughes, Leitchfield                       |
| 69112          |   | Union Store, Buechel<br>Guaranteed                  |
| 68862          | Potash Tobacco Fertilizer   | Mayhew Feed Co., Franklin<br>Guaranteed             |
| 68106          | Extra High Grade Phosphate  | Manufacturer<br>Guaranteed                          |
| 69116          | High Grade Phosphate  | Union Store Co., Fern Creek<br>Guaranteed           |
| 68108          | Acid Phosphate  | Manufacturer<br>Guaranteed                          |
| 68963          | Steamed Bone Meal   | Manufacturer<br>Guaranteed                          |
|                | <b>Rasin-Monumental Co. (Subsidiary of Va.-Car. Chem. Co.), Cincinnati, Nashville, Memphis.</b> |   |
| 68863          | †Rasin's 16% Acid Phosphate   | J. G. Warriner, Waynesburg                          |
| 68864          |   | Lessenberry and Jones, Glasgow                      |
| 69366          |   | Lessenberry and Jones, Glasgow<br>Guaranteed        |
| 68569          | Rasin's 20% Acid Phosphate  | Manufacturer<br>Guaranteed                          |
| 68865          | Rasin's 24% Acid Phosphate  | J. G. Warriner, Waynesburg<br>Guaranteed            |

TABLE I.

| PHOSPHORIC ACID              |                              |                                  | Percentage Of Fineness |             | NITROGEN             |                              | Equivalent to Ammonia        | POTASH                       |         | Index of Relative Value      | Station Number          |
|------------------------------|------------------------------|----------------------------------|------------------------|-------------|----------------------|------------------------------|------------------------------|------------------------------|---------|------------------------------|-------------------------|
| Available                    | Insoluble                    | Total                            | Fine Bone              | Medium Bone | Water Soluble        | Total                        |                              | Muriate                      | Sulfate |                              |                         |
| .90<br>.50                   | 0.30<br>0.25                 | 3.20<br>2.75                     |                        |             | 2.77                 | 4.99<br>4.94                 | 6.06<br>6.00                 | 1.46                         | 1.30    | 32.3<br>31.2                 | 68854                   |
| .55<br>2.20<br>1.00          | 1.60<br>1.30<br>4.00         | 13.15<br>13.50<br>15.00          |                        |             | 0.23<br>0.27         | 0.58<br>0.52<br>0.41         | 0.70<br>0.63<br>0.50         | 1.13<br>0.81<br>1.00         |         | 23.1<br>23.0<br>22.2         | 69108<br>69109          |
| 1.70<br>2.30<br>2.00<br>1.00 | 1.70<br>1.30<br>1.40<br>4.00 | 13.40<br>13.60<br>13.40<br>15.00 |                        |             | 0.53<br>0.66<br>0.50 | 0.98<br>0.95<br>1.01<br>0.82 | 1.19<br>1.15<br>1.23<br>1.00 | 2.95<br>2.82<br>3.26<br>3.00 |         | 29.0<br>29.4<br>30.1<br>28.2 | 69110<br>69111<br>69112 |
| 0.10<br>0.00                 | 1.10<br>4.00                 | 12.20<br>14.00                   |                        |             |                      |                              |                              | 4.89<br>5.00                 |         | 26.4<br>25.0                 | 68862                   |
| 8.65<br>8.00                 | 0.35<br>2.00                 | 19.00<br>20.00                   |                        |             |                      |                              |                              |                              |         | 22.4<br>21.6                 | 68106                   |
| 6.20<br>6.00                 | 0.90<br>2.00                 | 17.10<br>18.00                   |                        |             |                      |                              |                              |                              |         | 19.4<br>19.2                 | 69116                   |
| 5.30<br>4.00                 | 0.30<br>2.00                 | 15.60<br>16.00                   |                        |             |                      |                              |                              |                              |         | 18.4<br>16.8                 | 68108                   |
|                              |                              | 25.55<br>24.00                   | 76                     | 24          |                      | 2.46<br>2.47                 | 2.99<br>3.00                 |                              |         | 32.7<br>31.6                 | 68963                   |
| 7.30<br>9.25<br>8.20<br>6.00 | 0.90<br>1.75<br>2.80<br>1.50 | 18.20<br>21.00<br>21.00<br>17.50 |                        |             |                      |                              |                              |                              |         | 20.8<br>23.1<br>21.8<br>19.2 | 68863<br>68864<br>69366 |
| 2.95<br>0.00                 | 0.65<br>1.50                 | 23.60<br>21.50                   |                        |             |                      |                              |                              |                              |         | 27.5<br>24.0                 | 68569                   |
| 6.90<br>4.00                 | 0.50<br>1.50                 | 27.40<br>25.50                   |                        |             |                      |                              |                              |                              |         | 32.3<br>28.8                 | 68865                   |

TABLE I.

| Station<br>Number | Name and Address of Manufacturer<br>and Name of Brand   | From Whom Obtained                                |
|-------------------|---|---|
|                   | <b>Rasin-Monumental Co. (Subsidiary of<br/>Va.-Car. Chem. Co.), Cincinnati,<br/>Nashville, Memphis.</b> |   |
| 68571             | Rasin's Phospho Tobacco (300 pounds<br>Stems per ton)-----  | Manufacturer<br>Guaranteed-----                   |
| 68866             | Rasin's 10-5 Acid and Potash  | Lessenberry and Jones, Glasgow<br>Guaranteed----- |
| 68573             | Rasin's Royal Grain Grower  | Manufacturer<br>Guaranteed-----                   |
| 68574             | Rasin's Special Plant Food  | Manufacturer<br>Guaranteed-----                   |
| 69368             | Rasin's Reliable Wheat and Corn Fer-<br>tilizer-----  | H. A. Spradlin, Monticello-----                   |
| 69369             |   | Lessenberry and Jones, Glasgow-----               |
| 69117             |   | J. H. Wyan, London-----                           |
|                   |   | Guaranteed-----                                   |
| 68576             | Rasin's Big Giant Phosphate   | Manufacturer<br>Guaranteed-----                   |
| 69118             | Rasin's General Favorite  | J. H. Wyan, London<br>Guaranteed-----             |
| 69119             | Rasin's Sweepstakes Fertilizer  | J. H. Wyan, London<br>Guaranteed-----             |
| 69370             | Rasin's Sweepstakes Fertilizer  | H. A. Spradlin, Monticello<br>Guaranteed-----     |
| 68867             | Rasin's 2-8-4 Tobacco Grower (Potash<br>from Sulphate)-----   | Lessenberry and Jones, Glasgow<br>Guaranteed----- |
| 68868             | Rasin's Burley Tobacco Grower (Pot-<br>ash from Sulphate)-----  | H. A. Spradlin, Monticello-----                   |
|                   |   | Guaranteed-----                                   |
| 68582             | Rasin's Phosphate and Bone Meal   | Manufacturer<br>Guaranteed-----                   |

TABLE I.

| PHOSPHORIC ACID              |                              |                               | Percentage<br>Of Fineness |             | NITROGEN             |                              | Equivalent to<br>Ammonia     | POTASH                       |         | Index of<br>Relative Value   | Station<br>Number       |
|------------------------------|------------------------------|-------------------------------|---------------------------|-------------|----------------------|------------------------------|------------------------------|------------------------------|---------|------------------------------|-------------------------|
| Available                    | Insoluble                    | Total                         | Fine Bone                 | Medium Bone | Water Soluble        | Total                        |                              | Muriate                      | Sulfate |                              |                         |
| 1.35<br>1.00                 | 2.15<br>1.50                 | 18.50<br>17.50                |                           |             |                      |                              |                              |                              |         | 19.6<br>19.2                 | 68574                   |
| 1.30<br>1.00                 | 4.95<br>1.50                 | 15.25<br>11.50                |                           |             |                      |                              |                              | 4.95<br>5.00                 |         | 25.4<br>25.0                 | 68866                   |
| 1.65<br>2.00                 | 2.15<br>1.50                 | 17.80<br>13.50                |                           |             |                      |                              |                              | 3.49<br>2.00                 |         | 30.5<br>22.0                 | 68573                   |
| 1.20<br>2.00                 | 0.55<br>1.50                 | 16.75<br>13.50                |                           |             | 1.74                 | 2.43<br>1.65                 | 2.95<br>2.00                 |                              |         | 36.7<br>26.9                 | 68574                   |
| 8.05<br>9.35<br>8.50<br>8.00 | 1.25<br>9.50<br>1.10<br>1.50 | 9.30<br>18.85<br>9.60<br>9.50 |                           |             | 0.98<br>0.48<br>0.96 | 0.98<br>0.80<br>0.96<br>0.82 | 1.19<br>0.97<br>1.17<br>1.00 | 1.93<br>1.94<br>2.07<br>2.00 |         | 21.3<br>25.7<br>22.4<br>20.7 | 69368<br>69369<br>69117 |
| 9.05<br>8.00                 | 1.00<br>1.50                 | 10.05<br>9.50                 |                           |             | 0.72                 | 1.04<br>0.82                 | 1.26<br>1.00                 | 3.20<br>3.00                 |         | 25.8<br>22.7                 | 68576                   |
| 8.45<br>8.00                 | 1.65<br>1.50                 | 10.10<br>9.50                 |                           |             | 1.30                 | 1.71<br>1.65                 | 2.08<br>2.00                 | 2.09<br>2.00                 |         | 26.1<br>24.9                 | 69118                   |
| 2.80<br>2.00                 | 2.70<br>1.50                 | 15.50<br>13.50                |                           |             | 1.22                 | 1.75<br>1.65                 | 2.12<br>2.00                 | 2.20<br>2.00                 |         | 33.4<br>30.9                 | 69119                   |
| 2.45<br>2.00                 | 2.45<br>1.50                 | 14.90<br>13.50                |                           |             | 1.20                 | 1.71<br>1.65                 | 2.08<br>2.00                 | 1.89<br>2.00                 |         | 32.0<br>30.9                 | 69370                   |
| 8.65<br>8.00                 | 11.20<br>1.50                | 19.85<br>9.50                 |                           |             | 1.32                 | 1.71<br>1.65                 | 2.08<br>2.00                 | 4.47<br>4.00                 |         | 35.0<br>28.9                 | 68867                   |
| 8.80<br>8.00                 | 1.70<br>1.50                 | 10.50<br>9.50                 |                           |             | 2.42                 | 2.42<br>2.47                 | 2.94<br>3.00                 | 6.11<br>6.00                 |         | 38.2<br>37.0                 | 68868                   |
| 9.70<br>0.00                 | 14.80<br>12.00               | 24.50<br>22.00                |                           |             |                      | 0.94<br>0.82                 | 1.14<br>1.00                 |                              |         | 25.2<br>23.9                 | 68582                   |

TABLE I.

| Station Number          | Name and Address of Manufacturer and Name of Brand  | From Whom Obtained  |
|-------------------------|---|---|
|                         | <b>Rasin-Monumental Co. (Subsidiary of Va.-Car. Chem. Co.), Cincinnati, Nashville, Memphis.</b> |   |
| 68583                   | Rasin's Pure Bone Meal  | Manufacturer<br>Guaranteed  |
| 68584                   | Rasin's Raw Bone Meal   | Manufacturer<br>Guaranteed  |
| 69176                   | Rasin's Pure Bone Meal (Steamed)  | Manufacturer<br>Guaranteed  |
|                         | <b>Read Phosphate Co., Nashville, Tenn.</b>   |   |
| 68869<br>69371          | High Grade Acid Phosphate   | I. K. Miller and Sons, Campbellsville<br>Vic Smith, Bowling Green<br>Guaranteed                           |
| 68870                   | High Grade Red Diamond Acid Phosphate   | Vic Smith, Bowling Green  |
| 68871                   |   | Estes and Hines, Science Hill   |
| 68872                   |   | U. L. Antle, Campbellsville   |
| 69372                   |   | Barren County Grocery and Hdw. Co., Glasgow<br>Guaranteed   |
| 69120                   | Premium Acid Phosphate  | Garrard County Farm Bureau, Lancaster<br>Guaranteed   |
| 68873<br>68874<br>69373 | Red Diamond 20% Acid Phosphate  | F. E. Bernard, Jamestown<br>O. D. Smith, Greasy Creek<br>J. B. Bradshaw, Taylorsville<br>Guaranteed       |
| 68022                   | Alkaline Bone   | Manufacturer<br>Guaranteed  |
| 68023                   | High Grade Potash Mixture   | Manufacturer<br>Guaranteed  |
| 69121                   | †Blood and Bone No. 1   | J. E. Coombs, Greenville<br>Guaranteed  |
| 68875<br>69375<br>69122 | Kentucky Special  | Blankenship and Richards, Greasy Creek<br>U. L. Antle, Columbia<br>J. E. Coombs, Greenville<br>Guaranteed |

TABLE I.

| PHOSPHORIC ACID                  |                              |                                  | Percentage<br>Of Fineness |             | NITROGEN      |                              | Equivalent to<br>Ammonia     | POTASH                       |         | Index of<br>Relative Value   | Station<br>Number       |
|----------------------------------|------------------------------|----------------------------------|---------------------------|-------------|---------------|------------------------------|------------------------------|------------------------------|---------|------------------------------|-------------------------|
| Available                        | Insoluble                    | Total                            | Fine Bone                 | Medium Bone | Water Soluble | Total                        |                              | Muriate                      | Sulfate |                              |                         |
|                                  |                              | 26.50<br>22.00                   | 89                        | 11          |               | 2.43<br>2.47                 | 2.95<br>3.00                 |                              |         | 33.4<br>30.0                 | 68583                   |
|                                  |                              | 23.10<br>20.00                   | 74                        | 26          |               | 4.30<br>3.71                 | 5.22<br>4.50                 |                              |         | 40.0<br>34.6                 | 68584                   |
|                                  |                              | 28.90<br>27.00                   | 76                        | 24          |               | 1.40<br>1.65                 | 1.70<br>2.00                 |                              |         | 30.1<br>29.9                 | 69176                   |
| 15.70<br>18.25<br>14.00          | 3.90<br>3.35<br>4.00         | 19.60<br>21.60<br>18.00          |                           |             |               |                              |                              |                              |         | 18.8<br>21.9<br>16.8         | 68869<br>69371          |
| 18.40<br>17.10<br>16.35          | 1.00<br>1.50<br>2.05         | 19.40<br>18.60<br>18.40          |                           |             |               |                              |                              |                              |         | 22.1<br>20.5<br>19.6         | 68870<br>68871<br>68872 |
| 17.40<br>16.00                   | 3.30<br>2.00                 | 20.70<br>18.00                   |                           |             |               |                              |                              |                              |         | 20.9<br>19.2                 | 69372                   |
| 21.00<br>18.00                   | 0.90<br>2.00                 | 21.90<br>20.00                   |                           |             |               |                              |                              |                              |         | 25.2<br>21.6                 | 69120                   |
| 21.40<br>21.50<br>21.30<br>20.00 | 2.30<br>2.00<br>0.85         | 23.70<br>23.50<br>22.15          |                           |             |               |                              |                              |                              |         | 25.7<br>25.8<br>25.6<br>24.0 | 68873<br>68874<br>69373 |
| 12.60<br>10.00                   | 9.50<br>7.00                 | 22.10<br>17.00                   |                           |             |               |                              |                              | 2.13<br>2.00                 |         | 23.2<br>19.0                 | 68022                   |
| 10.50<br>10.00                   | 10.20<br>5.00                | 20.70<br>15.00                   |                           |             |               |                              |                              | 4.52<br>4.00                 |         | 24.8<br>23.0                 | 68023                   |
| 8.75<br>8.00                     | 4.45<br>5.00                 | 13.20<br>13.00                   |                           |             | 0.30          | 1.24<br>1.65                 | 1.51<br>2.00                 | 5.47<br>2.00                 |         | 32.1<br>26.3                 | 69121                   |
| 8.50<br>9.55<br>9.10<br>8.00     | 8.15<br>8.35<br>3.70<br>6.00 | 16.65<br>17.90<br>12.80<br>14.00 |                           |             |               | 0.51<br>0.53<br>1.06<br>0.41 | 0.62<br>0.64<br>1.29<br>0.50 | 4.28<br>2.96<br>4.31<br>4.00 | 1.00    | 27.1<br>28.2<br>30.1<br>24.5 | 68875<br>69375<br>69122 |



TABLE I.

| Station Number | Name and Address of Manufacturer and Name of Brand | From Whom Obtained                               |
|----------------|--|--|
|                | <b>Read Phosphate Co., Nashville, Tenn.</b>        |  |
| 68876          | Kentucky Tobacco Grower.....                       | I. W. Bryant, Greasy Creek.....                  |
| 68877          |  | Hollingsworth-Young Hdw. Co., Bowling Green..... |
| 69123          |  | Young Hardware Co., Hopkinsville.....            |
|                |  | Guaranteed.....                                  |
| 68878          | Read's High Grade Tobacco Grower.....              | I. K. Miller and Sons, Campbellsville.....       |
| 68879          |  | Vic Smith, Bowling Green.....                    |
|                |  | Guaranteed.....                                  |
| 69441          | Standard Tobacco Grower.....                       | T. R. Johnson, Barlow.....                       |
| 69124          |  | Garrard Co. Farm Bureau, Lancaster.....          |
|                |  | Guaranteed.....                                  |
| 69376          | †High Grade Truck and Tobacco Special.....         | J. S. Hamblin, Auburn.....                       |
| 69126          |  | Vic Smith, Bowling Green.....                    |
| 69127          |  | A. H. Dawson, Owingsville.....                   |
|                |  | Guaranteed.....                                  |
| 68883          | Old Kentucky Tobacco Special.....                  | Woodford Spears and Son, Paris.....              |
|                |  | Guaranteed.....                                  |
| 68884          | †Prize Tobacco Grower.....                         | G. M. Stevenson, Columbia.....                   |
|                |  | Guaranteed.....                                  |
| 68886          | Farmers Special Manure.....                        | U. L. Antle, Columbia.....                       |
| 68887          |  | O. D. Smith, Greasy Creek.....                   |
| 69378          |  | U. L. Antle, Columbia.....                       |
|                |  | Guaranteed.....                                  |
| 68888          | Read's Corn and Wheat Grower.....                  | I. P. Williams, Sewellton.....                   |
| 68889          |  | T. W. Bryant, Greasy Creek.....                  |
| 69379          |  | J. H. Jasper, W. Somerset.....                   |
|                |  | Guaranteed.....                                  |
| 69380          | Premium Grain Grower.....                          | J. H. Jasper, W. Somerset.....                   |
|                |  | Guaranteed.....                                  |
| 68035          | Half and Half.....                                 | Manufacturer.....                                |
|                |  | Guaranteed.....                                  |

TABLE I.

| PHOSPHORIC ACID |           |       | Percentage<br>Of Fineness |             | NITROGEN      |       | Equivalent to<br>Ammonia | POTASH  |         | Index of<br>Relative Value | Station<br>Number |
|-----------------|-----------|-------|---------------------------|-------------|---------------|-------|--------------------------|---------|---------|----------------------------|-------------------|
| Available       | Insoluble | Total | Fine Bone                 | Medium Bone | Water Soluble | Total |                          | Muriate | Sulfate |                            |                   |
| 9.20            | 5.80      | 15.00 |                           |             |               | 0.88  | 1.07                     | 1.16    |         | 22.8                       | 68876             |
| 8.20            | 9.30      | 17.50 |                           |             | 0.40          | 1.06  | 1.29                     | 1.46    |         | 24.2                       | 68877             |
| 11.45           | 8.45      | 19.90 |                           |             | 0.27          | 0.93  | 1.13                     | 1.02    |         | 27.3                       | 69123             |
| 8.00            | 6.00      | 14.00 |                           |             |               | 0.82  | 1.00                     | 1.00    |         | 20.5                       |                   |
| 8.60            | 4.80      | 13.40 |                           |             | 1.09          | 1.82  | 2.21                     | 3.88    | 1.87    | 35.4                       | 68878             |
| 7.55            | 7.00      | 14.55 |                           |             | 0.68          | 1.97  | 2.39                     | 3.84    | 0.66    | 33.0                       | 68879             |
| 8.00            | 4.00      | 12.00 |                           |             |               | 1.65  | 2.00                     |         | 4.00    | 29.9                       |                   |
| 8.60            | 10.30     | 18.90 |                           |             | 0.67          | 1.84  | 2.23                     |         | 2.47    | 31.2                       | 69441             |
| 8.50            | 7.20      | 15.70 |                           |             | 0.91          | 1.82  | 2.21                     | 2.74    |         | 30.2                       | 69124             |
| 8.00            | 5.00      | 13.00 |                           |             |               | 1.65  | 2.00                     |         | 2.00    | 26.3                       |                   |
| 9.15            | 6.00      | 15.15 |                           |             | 0.51          | 1.56  | 1.89                     | 2.48    | 5.20    | 39.3                       | 69376             |
| 8.40            | 7.90      | 16.30 |                           |             | 1.10          | 1.75  | 2.12                     | 7.67    |         | 39.9                       | 69126             |
| 8.60            | 4.90      | 13.50 |                           |             | 1.14          | 1.83  | 2.22                     | 4.16    | 3.93    | 40.2                       | 69127             |
| 8.00            | 4.00      | 12.00 |                           |             |               | 1.65  | 2.00                     |         | 8.00    | 37.9                       |                   |
| 7.85            | 5.45      | 13.30 |                           |             | 2.12          | 2.81  | 3.41                     | 3.96    | 1.95    | 39.8                       | 68883             |
| 8.00            | 3.00      | 11.00 |                           |             |               | 2.47  | 3.00                     |         | 6.00    | 37.6                       |                   |
| 10.95           | 4.55      | 15.50 |                           |             | 1.64          | 2.71  | 3.29                     | 2.72    |         | 37.2                       | 68884             |
| 10.00           | 3.00      | 13.00 |                           |             |               | 2.47  | 3.00                     | 3.00    |         | 34.6                       |                   |
| 10.05           | 7.65      | 17.70 |                           |             | 0.28          | 1.01  | 1.23                     | 3.06    |         | 29.3                       | 68886             |
| 10.40           | 3.40      | 13.80 |                           |             | 0.20          | 0.96  | 1.17                     | 2.67    |         | 27.1                       | 68887             |
| 10.90           | 5.30      | 16.20 |                           |             |               | 0.96  | 1.17                     | 2.91    |         | 29.1                       | 69378             |
| 10.00           | 4.00      | 14.00 |                           |             |               | 0.82  | 1.00                     | 3.00    |         | 26.7                       |                   |
| 12.55           | 7.45      | 20.00 |                           |             | 0.22          | 0.44  | 0.53                     | 0.72    |         | 25.5                       | 68888             |
| 12.60           | 5.60      | 18.20 |                           |             |               | 0.41  | 0.50                     | 0.92    |         | 25.0                       | 68889             |
| 12.85           | 5.85      | 18.70 |                           |             |               | 0.52  | 0.63                     | 0.93    |         | 26.1                       | 69379             |
| 11.00           | 5.00      | 16.00 |                           |             |               | 0.41  | 0.50                     | 1.00    |         | 22.6                       |                   |
| 13.00           | 3.80      | 16.80 |                           |             | 0.39          | 1.47  | 1.78                     | 2.18    |         | 32.7                       | 69380             |
| 12.00           | 3.00      | 15.00 |                           |             |               | 1.65  | 2.00                     | 2.00    |         | 31.5                       |                   |
|                 |           | 21.40 | 68                        | 32          |               | 2.15  | 2.61                     |         |         | 27.9                       | 68035             |
|                 |           | 20.00 |                           |             |               | 1.85  | 2.25                     |         |         | 25.3                       |                   |

TABLE I.

| Station Number          | Name and Address of Manufacturer and Name of Brand   | From Whom Obtained   |
|-------------------------|--|--|
| 68890<br>69381<br>69382 | <b>Read Phosphate Co., Nashville, Tenn.</b><br>Pure Raw Bone Meal.....                             | Vic Smith, Bowling Green.....<br>Hollingsworth, Young Hardware Co.,<br>Bowling Green.....<br>J. H. Jasper, W. Somerset.....<br>Guaranteed..... |
| 69129                   | Tobacco and Grain Grower.....  | Young Hardware Co., Hopkinsville.....<br>Guaranteed.....   |
| 68619                   | <b>Smith Agricultural Chem. Co., Colum-<br/>bus, Ohio.</b><br>Smith's Sacco 20% Acid Phosphate.... | Manufacturer.....<br>Guaranteed.....   |
| 69132                   | Smith's Sacco 16% Acid Phosphate....   | J. C. Everett and Co., Maysville.....<br>Guaranteed.....   |
| 68621                   | Smith's Sacco 16% Acid Phosphate<br>with Tankage Filler.....                                       | Manufacturer.....<br>Guaranteed.....   |
| 69133                   | Smith's Sacco Tobacco Grower.....  | J. C. Everett and Co., Maysville.....<br>Guaranteed.....   |
| 68623                   | Smith's Sacco Potato and Tobacco<br>Special.....   | Manufacturer.....<br>Guaranteed.....   |
| 68624                   | Smith's Sacco 1-8-2.....   | Manufacturer.....<br>Guaranteed.....   |
| 68625                   | Smith's Sacco 2-12-2.....  | Manufacturer.....<br>Guaranteed.....   |
| 68613                   | <b>Southern Fertilizer Co., Inc., Louisville,<br/>Ky.</b><br>Elk Tobacco Grower.....               | Manufacturer.....<br>Guaranteed.....   |
| 69431<br>69135          | Elk General Crop Grower.....   | Corbin Supply Co., Corbin.....<br>Corbin Supply Co., Corbin.....<br>Guaranteed.....  |
| 68615                   | Elk Special Grain Grower.....  | Manufacturer.....<br>Guaranteed.....   |

TABLE I.

| PHOSPHORIC ACID         |                      |                         | Percentage<br>Of Fineness |             | NITROGEN      |                      | Equivalent to<br>Ammonia | POTASH       |                      | Index of<br>Relative Value | Station<br>Number |
|-------------------------|----------------------|-------------------------|---------------------------|-------------|---------------|----------------------|--------------------------|--------------|----------------------|----------------------------|-------------------|
| Available               | Insoluble            | Total                   | Fine Bone                 | Medium Bone | Water Soluble | Total                |                          | Muriate      | Sulfate              |                            |                   |
|                         |                      | 23.50                   | 27                        | 73          |               | 3.84                 | 4.66                     |              |                      | 38.0                       | 68890             |
|                         |                      | 22.20                   | 48                        | 52          |               | 3.45                 | 4.19                     |              |                      | 35.0                       | 69381             |
|                         |                      | 22.30                   | 100                       |             |               | 3.84                 | 4.66                     |              |                      | 37.0                       | 69382             |
|                         |                      | 20.00                   |                           |             |               | 3.71                 | 4.50                     |              |                      | 34.6                       |                   |
| 8.30<br>8.00            | 2.90<br>4.00         | 11.20<br>12.00          |                           |             | 0.94          | 1.88<br>1.65         | 2.28<br>2.00             | 5.54         | 5.00                 | 34.1<br>31.9               | 69129             |
| 20.15<br>20.00          | 1.05                 | 21.20                   |                           |             |               |                      |                          |              |                      | 24.2<br>24.0               | 68619             |
| 16.40<br>16.00          | 1.70                 | 18.10                   |                           |             |               |                      |                          |              |                      | 19.7<br>19.2               | 69132             |
| 16.25<br>16.00          | 0.75                 | 17.00                   |                           |             |               |                      |                          |              |                      | 19.5<br>19.2               | 68621             |
| 7.60<br>8.00            | 1.30                 | 8.90                    |                           |             | 0.48          | 0.76<br>0.82         | 0.92<br>1.00             | 4.07<br>4.00 |                      | 23.9<br>24.1               | 69133             |
| 8.65<br>8.00            | 0.85                 | 9.50                    |                           |             | 0.44          | 0.76<br>0.82         | 0.92<br>1.00             | 6.58<br>7.00 |                      | 30.3<br>30.1               | 68623             |
| 9.80<br>8.00            | 1.00                 | 10.80                   |                           |             | 0.55          | 0.99<br>0.82         | 1.20<br>1.00             | 2.54<br>2.00 |                      | 25.1<br>20.1               | 68624             |
| 11.65<br>12.00          | 1.30                 | 12.95                   |                           |             | 1.07          | 1.58<br>1.65         | 1.92<br>2.00             | 1.94<br>2.00 |                      | 29.8<br>30.3               | 68625             |
| 8.10<br>8.00            | 1.55<br>1.00         | 9.65<br>9.00            |                           |             | 0.70          | 1.71<br>1.65         | 2.08<br>2.00             |              | 1.24<br>1.00         | 23.8<br>22.7               | 68613             |
| 10.70<br>10.50<br>10.00 | 0.90<br>0.90<br>1.00 | 11.60<br>11.40<br>11.00 |                           |             | 0.51          | 0.51<br>0.46<br>0.41 | 0.62<br>0.56<br>0.50     | 0.68         | 0.72<br>0.95<br>1.00 | 21.8<br>20.3<br>19.5       | 69431<br>69135    |
| 11.40<br>11.00          | 1.40<br>1.00         | 12.80<br>12.00          |                           |             | 0.59          | 0.59<br>0.41         | 0.72<br>0.50             | 2.39<br>2.00 |                      | 25.4<br>23.0               | 68615             |

TABLE I.

| Station Number | Name and Address of Manufacturer and Name of Brand     | From Whom Obtained                              |
|----------------|--|---|
|                | <b>Southern Fertilizer Co., Inc., Louisville, Ky.</b>  |   |
| 68616          | Elk Corn and Wheat Grower                              | Manufacturer<br>Guaranteed                      |
| 68617          | Elk Superior Phosphate                                 | Manufacturer<br>Guaranteed                      |
| 68618          | Atlas Phosphate  | Manufacturer<br>Guaranteed                      |
| 69134          | Elk Spl. Tobacco Grower                                | Conrad, Payne and Co., Cloverport<br>Guaranteed |
|                | <b>Swift and Co., Inc., National Stock Yards, Ill.</b> |   |
| 68470          | Swift's Red Steer 4-12                                 | Manufacturer<br>Guaranteed                      |
| 68471          | Swift's Red Steer 2-12                                 | Manufacturer<br>Guaranteed                      |
| 68472          | Swift's Red Steer 2-10                                 | Manufacturer<br>Guaranteed                      |
| 68473          | Swift's Red Steer 12-4                                 | Manufacturer<br>Guaranteed                      |
| 68474          | Swift's Red Steer 14-2                                 | Manufacturer<br>Guaranteed                      |
| 69385          | Swift's Red Steer 20% Acid Phosphate Fertilizer        | Vine Grove Feed Co., Vine Grove<br>Guaranteed   |
| 68891          | Swift's High Grade Acid Phosphate Fertilizer           | Staggs Bros., Vanceburg                         |
| 68892          |  | J. W. Hicks, Upton                              |
| 69386          |  | Jenkins-Essex Co., Elizabethtown                |
| 69387          |  | I. K. Miller and Son, Campbellsville            |
| 69432          |  | Denton Hdw. Co., Madisonville                   |
| 69443          |  | Yopp Seed Co., Paducah<br>Guaranteed            |
| 69136          | Swift's Bone Meal and Phosphate Fertilizer             | J. W. Collier, Crab Orchard<br>Guaranteed       |

TABLE I.

| PHOSPHORIC ACID   |  |  | Percentage<br>Of Fineness |             | NITROGEN      |              | Equivalent to<br>Ammonia | POTASH       |              | Index of<br>Relative Value                           | Station<br>Number                                  |
|---|--|--|---------------------------|-------------|---------------|--------------|--------------------------|--------------|--------------|--|--|
| Available   | Insoluble                                    | Total  | Fine Bone                 | Medium Bone | Water Soluble | Total        |                          | Muriate      | Sulfate      |  |  |
| 7.70<br>7.00  | 3.40<br>1.00                                 | 11.10<br>8.00                                      |                           |             | 0.76          | 1.00<br>0.82 | 1.21<br>1.00             | 1.21         | 1.00         | 20.3<br>17.0   | 68616  |
| 21.20<br>20.00  | 0.60<br>1.00                                 | 21.80<br>21.00                                     |                           |             |               |              |                          |              |              | 25.4<br>24.0   | 68617  |
| 17.00<br>16.00  | 1.55   | 18.55  |                           |             |               |              |                          |              |              | 20.4<br>19.2   | 68618  |
| 10.10<br>10.00  | 0.80<br>1.00                                 | 10.90<br>11.00                                     |                           |             | 0.26          | 0.57<br>0.41 | 0.69<br>0.50             |              | 1.22<br>1.00 | 20.8<br>19.5   | 69134  |
| 12.60<br>12.00  | 0.80<br>1.00                                 | 13.40<br>13.00                                     |                           |             | 0.44          | 3.37<br>3.29 | 4.09<br>4.00             |              |              | 36.1<br>34.9   | 68470  |
| 12.20<br>12.00  | 0.70<br>1.00                                 | 12.90<br>13.00                                     |                           |             | 0.35          | 1.70<br>1.65 | 2.06<br>2.00             |              |              | 27.1<br>26.7   | 68471  |
| 10.30<br>10.00  | 0.50<br>1.00                                 | 10.80<br>11.00                                     |                           |             | 0.27          | 1.66<br>1.65 | 2.02<br>2.00             |              |              | 24.0<br>23.7   | 68472  |
| 12.70<br>12.00  | 0.40<br>1.00                                 | 13.10<br>13.00                                     |                           |             |               |              |                          | 3.88<br>4.00 |              | 26.8<br>26.0   | 68473  |
| 14.95<br>14.00  | 0.50<br>1.00                                 | 15.45<br>15.00                                     |                           |             |               |              |                          | 1.87<br>2.00 |              | 26.2<br>25.0   | 68474  |
| 20.75<br>20.00  | 1.10   | 21.85  |                           |             |               |              |                          |              |              | 24.9<br>24.0   | 69385  |
| 16.75<br>16.65<br>16.75<br>15.85<br>17.00<br>17.00<br>16.00 | 0.85<br>0.75<br>0.55<br>0.60<br>0.40<br>0.80 | 17.60<br>17.40<br>17.30<br>16.45<br>17.40<br>17.80 |                           |             |               |              |                          |              |              | 20.1<br>20.0<br>20.1<br>19.0<br>20.4<br>20.4<br>19.2 | 68801<br>68802<br>69386<br>69387<br>69432<br>69443 |
| 17.40<br>15.00  | 4.20<br>5.00                                 | 21.60<br>20.00                                     |                           |             | 0.31          | 0.98<br>0.82 | 1.19<br>1.00             |              |              | 32.7<br>28.6   | 69436  |



TABLE I.

| Station<br>Number | Name and Address of Manufacturer<br>and Name of Brand      | From Whom Obtained                             |
|-------------------|--|--|
|                   | <b>Swift and Co., Inc., National Stock<br/>Yards, Ill.</b> |  |
| 69388             | Swift's Raw Bone Meal Fertilizer                           | J. E. Shadoan, Frazer<br>Guaranteed            |
| 68479             | Swift's 2½-29 Bone Meal Fertilizer                         | Manufacturer<br>Guaranteed                     |
| 68893             | Swift's 1½-29 Bone Meal Fertilizer                         | Mayhew Feed Co., Franklin                      |
| 69137             |  | J. W. Collier, Crab Orchard                    |
| 69389             |  | J. E. Shadoan, Frazer                          |
| 69390             |  | Vine Grove Feed Co., Vine Grove                |
| 69433             |  | Young and Bishop, Providence<br>Guaranteed     |
| 68481             | Swift's Red Steer 1-12-0                                   | Manufacturer<br>Guaranteed                     |
| 68482             | Swift's Red Steer 14-4                                     | Manufacturer<br>Guaranteed                     |
| 69391             | Swift's Red Steer 1-12-1                                   | Jenkins-Essex Co., Elizabethtown<br>Guaranteed |
| 68485             | Swift's Red Steer 1-8-1                                    | Manufacturer<br>Guaranteed                     |
| 68896             | †Swift's Red Steer 3-8-6                                   | D. E. Patterson, Hodgenville                   |
| 68897             |  | J. F. Collings, Shepherdsville<br>Guaranteed   |
| 68488             | Swift's Red Steer 2-8-3                                    | Manufacturer<br>Guaranteed                     |
| 68489             | Swift's Red Steer 3-8-3                                    | Manufacturer<br>Guaranteed                     |
| 68490             | Swift's Red Steer 3-8-5                                    | Manufacturer<br>Guaranteed                     |
| 68491             | Swift's Red Steer 2-10-4                                   | Manufacturer<br>Guaranteed                     |
| 68492             | Swift's Red Steer 2-8-2                                    | Manufacturer<br>Guaranteed                     |

TABLE I.

| PHOSPHORIC ACID      |                      |  | Percentage<br>Of Fineness  |                            | NITROGEN      |  | Equivalent to<br>Ammonia                     | POTASH       |                      | Index of<br>Relative Value                   | Station<br>Number                         |
|----------------------|----------------------|--|----------------------------|----------------------------|---------------|--|--|--------------|----------------------|--|---|
| Available            | Insoluble            | Total  | Fine Bone                  | Medium Bone                | Water Soluble | Total  |  | Muriate      | Sulfate              |  |   |
|                      |                      | 24.50<br>23.00                                     | 63                         | 37                         |               | 4.00<br>3.71                                 | 4.86<br>4.50                                 |              |                      | 39.6<br>37.0                                 | 69388                                     |
|                      |                      | 28.60<br>29.00                                     | 82                         | 18                         |               | 2.23<br>1.85                                 | 2.71<br>2.25                                 |              |                      | 33.0<br>32.5                                 | 68479                                     |
|                      |                      | 32.05<br>31.55<br>32.80<br>30.90<br>32.00<br>29.00 | 90<br>89<br>85<br>89<br>79 | 10<br>11<br>15<br>11<br>21 |               | 1.13<br>1.27<br>1.00<br>1.59<br>1.29<br>1.03 | 1.37<br>1.54<br>1.21<br>1.93<br>1.57<br>1.25 |              |                      | 31.3<br>31.6<br>31.2<br>32.7<br>32.1<br>28.4 | 68893<br>69137<br>69389<br>69390<br>69433 |
| 2.10<br>2.00         | 0.60<br>1.00         | 12.70<br>13.00                                     |                            |                            |               | 0.81<br>0.82                                 | 0.98<br>1.00                                 |              |                      | 22.4<br>22.5                                 | 68481                                     |
| 4.30<br>4.00         | 0.35<br>1.00         | 14.65<br>15.00                                     |                            |                            |               |  |  | 4.48<br>4.00 | 0.66                 | 31.7<br>29.0                                 | 68482                                     |
| 3.20<br>2.00         | 0.90<br>1.00         | 14.10<br>13.00                                     |                            |                            | 0.50          | 0.84<br>0.82                                 | 1.02<br>1.00                                 | 0.96<br>1.00 |                      | 26.3<br>24.5                                 | 69391                                     |
| 8.00<br>8.00         | 0.60<br>1.00         | 8.60<br>9.00                                       |                            |                            | 0.78          | 0.78<br>0.82                                 | 0.95<br>1.00                                 | 1.05<br>1.00 |                      | 18.2<br>18.5                                 | 68485                                     |
| 8.60<br>8.75<br>8.00 | 0.45<br>0.40<br>1.00 | 9.05<br>9.15<br>9.00                               |                            |                            | 1.94<br>1.89  | 2.40<br>2.38<br>2.47                         | 2.91<br>2.89<br>3.00                         | 0.68         | 4.97<br>5.66<br>6.00 | 36.4<br>36.5<br>36.8                         | 68896<br>68897                            |
| 7.95<br>8.00         | 2.10<br>1.00         | 10.05<br>9.00                                      |                            |                            | 1.46          | 1.67<br>1.65                                 | 2.03<br>2.00                                 | 2.99<br>3.00 |                      | 27.1<br>26.7                                 | 68488                                     |
| 8.20<br>8.00         | 0.35<br>1.00         | 8.55<br>9.00                                       |                            |                            |               | 2.49<br>2.47                                 | 3.02<br>3.00                                 | 2.87<br>3.00 |                      | 31.1<br>30.8                                 | 68489                                     |
| 8.30<br>8.00         | 0.35<br>1.00         | 8.65<br>9.00                                       |                            |                            | 0.37          | 2.62<br>2.47                                 | 3.18<br>3.00                                 | 5.23<br>5.00 |                      | 36.2<br>34.8                                 | 68490                                     |
| 0.05<br>0.00         | 0.65<br>1.00         | 10.70<br>11.00                                     |                            |                            | 1.05          | 1.60<br>1.65                                 | 1.94<br>2.00                                 | 2.48<br>4.00 | 1.92                 | 32.1<br>31.7                                 | 68491                                     |
| 7.80<br>8.00         | 3.40<br>1.00         | 11.20<br>9.00                                      |                            |                            | 1.51          | 1.51<br>1.65                                 | 1.83<br>2.00                                 | 2.36<br>2.00 |                      | 25.3<br>24.7                                 | 68492                                     |

TABLE I.

| Station Number | Name and Address of Manufacturer and Name of Brand  | From Whom Obtained   |
|----------------|---|--|
| 69392          | <b>Swift and Co., Inc., National Stock Yards, Ill.</b><br>Swift's Red Steer 2-12-2                      | J. E. Shadoan, Frazer<br>Guaranteed                                    |
| 69140          | Swift's Red Steer 3-8-6 Tobacco Grower  | J. A. Bennett, Taylorsville<br>Guaranteed                              |
| 68496          | Swift's Red Steer 4-8-6   | Manufacturer<br>Guaranteed   |
| 68586          | Swift's Vigoro  | Manufacturer<br>Guaranteed   |
| 69141          | Swift's Pulverized Manure   | Byrley Supply, Pineville<br>Guaranteed                                 |
| 69393<br>69394 | Swift's Red Steer 2-16-2  | J. E. Shadoan, Frazer<br>Vine Grove Feed Co., Vine Grove<br>Guaranteed |
| 69142          | <b>Taylor and Powell Fertilizer Co., Inc., Springfield, Tenn.</b><br>No. 4 Tobacco Grower with Potash   | John M. Keeling, Elkton<br>Guaranteed                                  |
| 68899<br>69144 | <b>Tennessee Chem. Co. (Armour owned) Louisville, Cincinnati, Nashville.</b><br>†Ox Dark Tobacco Grower | W. F. Grainger, Franklin<br>J. S. Duke, Crab Orchard<br>Guaranteed     |
| 68205          | Ox 2-16-2 Fertilizer  | Manufacturer<br>Guaranteed   |
| 68900          | Ox 2-10-4 Fertilizer  | Thomas Hinton Co., Bowling Green<br>Guaranteed                         |
| 68208          | Ox 1-12-1 Fertilizer  | Manufacturer<br>Guaranteed   |
| 68209          | Ox 2-8-2 Fertilizer   | Manufacturer<br>Guaranteed   |
| 68210          | Ox 2-12-0 Fertilizer  | Manufacturer<br>Guaranteed   |

TABLE I.

| PHOSPHORIC ACID      |                      |                         | Percentage<br>Of Fineness |             | NITROGEN      |                      | Equivalent to<br>Ammonia | POTASH               |                      | Index of<br>Relative Value | Station<br>Number |
|----------------------|----------------------|-------------------------|---------------------------|-------------|---------------|----------------------|--------------------------|----------------------|----------------------|----------------------------|-------------------|
| Available            | Insoluble            | Total                   | Fine Bone                 | Medium Bone | Water Soluble | Total                |                          | Muriate              | Sulfate              |                            |                   |
| 3.30<br>1.00         | 1.00<br>1.00         | 13.30<br>13.00          |                           |             | 1.14          | 1.72<br>1.65         | 2.09<br>2.00             | 1.92<br>2.00         |                      | 31.3<br>30.7               | 69392             |
| 4.40<br>1.00         | 0.80<br>1.00         | 9.20<br>9.00            |                           |             | 1.93          | 2.42<br>2.47         | 2.94<br>3.00             | 0.56                 | 4.81<br>6.00         | 35.8<br>36.8               | 69140             |
| 5.25<br>1.00         | 0.65<br>1.00         | 8.90<br>9.00            |                           |             | 3.06          | 3.06<br>3.29         | 3.71<br>4.00             | 6.40<br>6.00         |                      | 40.7<br>40.9               | 68496             |
| 5.35<br>1.00         | 0.55                 | 12.90                   |                           |             | 2.76          | 3.25<br>3.29         | 3.95<br>4.00             | 4.09<br>4.00         |                      | 43.2<br>42.5               | 68586             |
| 6.60<br>1.00         | 0.30<br>0.50         | 1.90<br>1.50            |                           |             | 0.22          | 2.23<br>1.65         | 2.71<br>2.00             | 0.52<br>2.00         | 1.71                 | 18.1<br>14.0               | 69141             |
| 7.80<br>1.15<br>1.00 | 0.85<br>0.70<br>1.00 | 17.65<br>17.85<br>17.00 |                           |             | 1.68<br>1.64  | 1.68<br>1.64<br>1.65 | 2.04<br>1.99<br>2.00     | 2.09<br>2.08<br>2.00 |                      | 38.1<br>38.4<br>36.7       | 69393<br>69394    |
| 8.45<br>1.00         | 6.60                 | 15.05                   |                           |             | 2.18          | 2.55<br>2.47         | 3.10<br>3.00             | 3.84                 | 3.00                 | 35.8<br>30.4               | 69142             |
| 9.20<br>1.60<br>1.00 | 1.00<br>1.25<br>1.00 | 9.20<br>9.85<br>9.00    |                           |             | 1.00<br>0.87  | 1.53<br>1.57<br>1.65 | 1.86<br>1.91<br>2.00     | 1.88<br>1.04         | 1.86<br>3.03<br>4.00 | 27.8<br>29.6<br>28.7       | 68899<br>69144    |
| 10.90<br>1.00        | 0.50<br>1.00         | 17.40<br>17.00          |                           |             | 2.07          | 2.07<br>1.65         | 2.51<br>2.00             | 2.62<br>2.00         |                      | 41.1<br>36.7               | 68205             |
| 11.45<br>1.00        | 0.80<br>1.00         | 11.25<br>11.00          |                           |             | 1.34          | 1.68<br>1.65         | 2.04<br>2.00             | 3.90<br>4.00         |                      | 32.2<br>31.7               | 68900             |
| 12.95<br>1.00        | 2.25<br>1.00         | 15.20<br>13.00          |                           |             | 0.85          | 1.12<br>0.82         | 1.36<br>1.00             | 1.18<br>1.00         |                      | 28.3<br>24.5               | 68208             |
| 13.30<br>1.00        | 2.70<br>1.00         | 12.00<br>9.00           |                           |             | 1.66          | 2.14<br>1.65         | 2.60<br>2.00             | 2.29<br>2.00         |                      | 30.3<br>24.7               | 68209             |
| 14.95<br>1.00        | 1.95<br>1.00         | 14.90<br>13.00          |                           |             | 1.56          | 1.94<br>1.65         | 2.36<br>2.00             |                      |                      | 29.9<br>26.7               | 68210             |

TABLE I.

| Station Number                            | Name and Address of Manufacturer and Name of Brand  | From Whom Obtained   |
|---|---|--|
| 69145                                     | <b>Tennessee Chem. Co. (Armour owned)</b><br><b>Louisville, Cincinnati, Nashville.</b><br>Ox 1-8-1 Fertilizer | J. S. Duke, Crab Orchard<br>Guaranteed   |
| 68901<br>69396                            | †Ox 0-12-4 Fertilizer   | W. F. Grainger, Franklin<br>Young Hdw. Co., Hopkinsville<br>Guaranteed   |
| 68902                                     | †Ox Bone Meal   | H. D. Jones, Glasgow<br>Guaranteed   |
| 68903<br>69399<br>69400                   | Ox Raw Bone   | Thomas Hinton Co., Bowling Green<br>Young Hardware Co., Hopkinsville<br>McChesney and Thompson, Trenton<br>Guaranteed                                  |
| 68904<br>68905<br>69401<br>69402<br>69403 | Ox 16% Acid Phosphate   | H. D. Jones, Glasgow<br>W. F. Grainger, Franklin<br>Young Hardware Co., Hopkinsville<br>J. S. Duke, Crab Orchard<br>H. D. Jones, Glasgow<br>Guaranteed |
| 68906                                     | †Ox 20% Superphosphate  | H. D. Jones, Glasgow<br>Guaranteed   |
| 69147<br>69405<br>69406                   | Ox 4-16-4 Fertilizer  | J. A. Shaver, Greenville<br>Young Hardware Co., Hopkinsville<br>Cadiz Trading Co., Cadiz<br>Guaranteed   |
| 68218                                     | Ox 4-12-4 Fertilizer  | Manufacturer<br>Guaranteed   |
| 68219                                     | Ox High Grade Tobacco Grower  | Manufacturer<br>Guaranteed   |
| 69148                                     | †Ox Black Patch Special   | Cadiz Trading Co., Cadiz<br>Guaranteed   |
| 69149                                     | †Ox Burley Tobacco Grower   | J. S. Duke, Crab Orchard<br>Guaranteed   |

TABLE I.

| PHOSPHORIC ACID |                | Percentage Of Fineness |             | NITROGEN      |              | Equivalent to Ammonia | POTASH       |         | Index of Relative Value | Station Number |
|-----------------|----------------|------------------------|-------------|---------------|--------------|-----------------------|--------------|---------|-------------------------|----------------|
| Insoluble       | Total          | Fine Bone              | Medium Bone | Water Soluble | Total        |                       | Muriate      | Sulfate |                         |                |
| 0.80            | 8.50           |                        |             | 0.48          | 0.80<br>0.82 | 0.97<br>1.00          | 1.63<br>1.00 |         | 19.1<br>18.1            | 69145          |
| 2.40            | 15.65          |                        |             |               |              |                       | 4.20         |         | 28.3                    | 68901          |
| 2.40            | 14.25          |                        |             |               |              |                       | 3.78         |         | 25.3                    | 69396          |
| 1.00            | 13.00          |                        |             |               |              |                       | 4.00         |         | 26.0                    |                |
|                 | 27.70<br>27.00 | 70                     | 30          |               | 2.56<br>2.47 | 3.11<br>3.00          |              |         | 35.0<br>34.0            | 68902          |
|                 | 23.65          | 100                    |             |               | 4.07         | 4.94                  |              |         | 39.3                    | 68903          |
|                 | 23.55          | 100                    |             |               | 4.06         | 4.93                  |              |         | 39.1                    | 69399          |
|                 | 23.30          | 100                    |             |               | 4.05         | 4.92                  |              |         | 38.9                    | 69400          |
|                 | 22.00          |                        |             |               | 3.71         | 4.50                  |              |         | 36.2                    |                |
| 1.50            | 18.00          |                        |             |               |              |                       |              |         | 19.8                    | 68904          |
| 1.30            | 19.50          |                        |             |               |              |                       |              |         | 21.8                    | 68905          |
| 2.45            | 18.55          |                        |             |               |              |                       |              |         | 19.3                    | 69401          |
| 0.95            | 17.20          |                        |             |               |              |                       |              |         | 19.5                    | 69402          |
| 2.40            | 19.60          |                        |             |               |              |                       |              |         | 20.6                    | 69403          |
| 1.00            | 17.00          |                        |             |               |              |                       |              |         | 19.2                    |                |
| 0.70            | 21.40          |                        |             |               |              |                       |              |         | 24.8                    | 68906          |
| 1.00            | 21.00          |                        |             |               |              |                       |              |         | 24.0                    |                |
| 0.90            | 17.10          |                        |             | 3.04          | 3.04         | 3.69                  | 3.99         |         | 47.8                    | 69147          |
| 1.40            | 17.30          |                        |             | 3.12          | 3.12         | 3.79                  | 3.89         |         | 47.8                    | 69405          |
| 1.60            | 17.80          |                        |             | 3.16          | 3.16         | 3.84                  | 4.09         |         | 48.9                    | 69406          |
| 1.00            | 17.00          |                        |             |               | 3.29         | 4.00                  | 4.00         |         | 48.9                    |                |
| 1.80            | 14.70          |                        |             | 3.40          | 3.72         | 4.52                  | 5.34         |         | 49.4                    | 68218          |
| 1.00            | 13.00          |                        |             |               | 3.29         | 4.00                  | 4.00         |         | 42.9                    |                |
| 1.80            | 13.00          |                        |             | 1.29          | 1.88         | 2.28                  | 0.76         | 8.57    | 45.6                    | 68219          |
| 1.00            | 11.00          |                        |             |               | 1.65         | 2.00                  |              | 10.00   | 43.7                    |                |
| 3.50            | 11.30          |                        |             | 1.33          | 2.43         | 2.95                  | 0.60         | 5.47    | 37.4                    | 69148          |
| 1.00            | 9.00           |                        |             |               | 2.47         | 3.00                  |              | 6.00    | 36.8                    |                |
| 1.50            | 9.50           |                        |             | 1.38          | 2.43         | 2.95                  | 0.60         | 5.23    | 36.4                    | 69149          |
| 1.00            | 9.00           |                        |             |               | 2.47         | 3.00                  |              | 6.00    | 36.8                    |                |



TABLE I.

| Station Number | Name and Address of Manufacturer and Name of Brand                               | From Whom Obtained  |
|----------------|--|---|
|                | <b>Tennessee Chem. Co. (Armour owned)<br/>Louisville, Cincinnati, Nashville.</b> |   |
| 68222          | Ox Potato Grower.....  | Manufacturer.....<br>Guaranteed.....                                |
| 69150          | Ox Special Tobacco Guano.....  | T. J. Turley Co., Owensboro.....<br>Guaranteed.....                 |
| 68628          | Ox Tobacco Fertilizer.....   | * .....<br>Guaranteed.....  |
| 68968          | Ox 2-16-8 Fertilizer.....  | * .....<br>Guaranteed.....  |
|                | <b>Tenn. Coal, Iron and R. R. Co., Birmingham, Ala.</b>                          |   |
| 68309          | Duplex Basic Phosphate.....  | Farmers Union Supply Co., Glasgow.....                              |
| 68910          |  | Taylor County Supply Co., Campbells<br>ville.....                   |
| 69152          |  | Cayce-Yost Co., Hopkinsville.....                                   |
| 69409          |  | Farmers Union Supply Co., Glasgow.....                              |
| 69410          |  | Farm Bureau, Elizabethtown.....<br>Guaranteed.....                  |
|                | <b>Tenn. Copper and Chemical Corporation,<br/>Lockland, Ohio.</b>                |   |
| 68911          | 16% Acid Phosphate.....  | Hardin County Farm Bureau, Elizabet<br>town.....                    |
| 69153          |  | C. D. Hughes, Russellville.....                                     |
| 69154          |  | Boone County Farm Bureau, Florence<br>Guaranteed.....               |
| 69155          | 20% Acid Phosphate.....  | Farmers Supply Co., Richmond.....<br>Guaranteed.....                |
| 68912          | 12-12-2 Fertilizer.....  | Hardin County Farm Bureau, Elizabet<br>town.....<br>Guaranteed..... |
| 68914          | 2-12-6 Fertilizer.....   | Hardin County Farm Bureau, Elizabet<br>town.....<br>Guaranteed..... |
| 68603          | 4-12-0 Fertilizer.....   | Manufacturer.....<br>Guaranteed.....                                |

\* The manufacturer failed to furnish sample as required by law.

TABLE I.

| PHOSPHORIC ACID |       |       | Percentage<br>Of Fineness |             | NITROGEN      |       | Equivalent to<br>Ammonia | POTASH  |         | Index of<br>Relative Value | Station<br>Number |
|-----------------|-------|-------|---------------------------|-------------|---------------|-------|--------------------------|---------|---------|----------------------------|-------------------|
| Insoluble       | Total |       | Fine Bone                 | Medium Bone | Water Soluble | Total |                          | Muriate | Sulfate |                            |                   |
| 0               | 1.40  | 9.50  |                           |             | 1.91          | 2.72  | 3.30                     | 0.88    | 4.92    | 37.9                       | 68222             |
| 0               | 1.00  | 9.00  |                           |             |               | 2.47  | 3.00                     |         | 6.00    | 36.8                       |                   |
| 5               | 3.15  | 13.30 |                           |             | 1.19          | 1.78  | 2.16                     | 0.88    | 1.41    | 30.4                       | 69150             |
| 0               | 1.00  | 11.00 |                           |             |               | 1.65  | 2.00                     |         | 2.00    | 27.7                       |                   |
| 0               | 1.00  | 9.00  |                           |             |               | 1.65  | 2.00                     |         | 5.00    | 30.7                       | 68628             |
| 0               | 1.00  | 17.00 |                           |             |               | 1.65  | 2.00                     | 8.00    |         | 48.7                       | 68968             |
|                 |       | 18.65 |                           |             |               |       |                          |         |         | 22.4                       | 68909             |
|                 |       | 19.00 |                           |             |               |       |                          |         |         | 22.8                       | 68910             |
|                 |       | 18.85 |                           |             |               |       |                          |         |         | 22.6                       | 69152             |
|                 |       | 18.10 |                           |             |               |       |                          |         |         | 21.7                       | 69409             |
|                 |       | 18.00 |                           |             |               |       |                          |         |         | 21.6                       | 69410             |
|                 |       | 18.00 |                           |             |               |       |                          |         |         | 21.6                       |                   |
| 25              | 1.15  | 20.40 |                           |             |               |       |                          |         |         | 23.1                       | 68911             |
| 60              | 1.30  | 19.90 |                           |             |               |       |                          |         |         | 22.3                       | 69153             |
| 20              | 1.70  | 19.90 |                           |             |               |       |                          |         |         | 21.8                       | 69154             |
| 00              | 0.20  | 16.20 |                           |             |               |       |                          |         |         | 19.2                       |                   |
| 85              | 0.90  | 21.75 |                           |             |               |       |                          |         |         | 25.0                       | 69155             |
| 00              | 0.20  | 20.20 |                           |             |               |       |                          |         |         | 24.0                       |                   |
| 55              | 1.60  | 14.15 |                           |             | 1.46          | 1.68  | 2.04                     | 2.79    |         | 33.5                       | 68912             |
| 00              | 0.20  | 12.20 |                           |             |               | 1.65  | 2.00                     | 2.00    |         | 30.3                       |                   |
| 45              | 1.65  | 14.10 |                           |             | 1.35          | 1.73  | 2.10                     | 6.27    |         | 40.5                       | 68914             |
| 00              | 0.20  | 12.20 |                           |             |               | 1.65  | 2.00                     | 6.00    |         | 38.3                       |                   |
| 40              | 0.85  | 13.25 |                           |             | 2.37          | 3.11  | 3.78                     |         |         | 34.5                       | 68603             |
| 00              | 0.20  | 12.20 |                           |             |               | 3.29  | 4.00                     |         |         | 34.5                       |                   |

TABLE I.

| Station Number | Name and Address of Manufacturer and Name of Brand                                   | From Whom Obtained                                   |
|----------------|--|--|
| 68915          | <b>Tenn. Copper and Chemical Corporation,<br/>Lockland, Ohio.</b><br>Nitrate of Soda | Hardin County Farm Bureau, Elizabetown<br>Guaranteed |
| 68605          | Sulphate Ammonia   | Manufacturer<br>Guaranteed                           |
| 68606          | Muriate of Potash  | Manufacturer<br>Guaranteed                           |
| 68607          | Sulphate of Potash   | Manufacturer<br>Guaranteed                           |
| 68630          | 3-10-3   | Manufacturer<br>Guaranteed                           |
| 68631          | 2-12-0   | Manufacturer<br>Guaranteed                           |
| 68050          | <b>Victor Guano Co., Nashville, Tenn.</b><br>High Grade Acid Phosphate               | Manufacturer<br>Guaranteed                           |
| 68916          | Victor Acid Phosphate  | E. C. Humble, Greasy Creek                           |
| 69164          |  | McClure and Durham, Mt. Vernon                       |
| 69421          |  | Kelly Bros., Bowling Green                           |
| 69434          |  | Lambert Gresham Hdw. Co., Henderson<br>Guaranteed    |
| 68052          | Bone and Potash  | Manufacturer<br>Guaranteed                           |
| 68053          | Ky. Home Guano   | Manufacturer<br>Guaranteed                           |
| 68054          | Ky. Soil Food  | Manufacturer<br>Guaranteed                           |
| 68055          | Standard Tobacco Grower  | Manufacturer<br>Guaranteed                           |
| 68056          | High Grade Tobacco and Truck<br>Grower   | Manufacturer<br>Guaranteed                           |

TABLE I.

| PHOSPHORIC ACID |               |                | Percentage Of Fineness |             | NITROGEN      |                | Equivalent to Ammonia | POTASH         |                | Index of Relative Value | Station Number |
|-----------------|---------------|----------------|------------------------|-------------|---------------|----------------|-----------------------|----------------|----------------|-------------------------|----------------|
| Available       | Insoluble     | Total          | Fine Bone              | Medium Bone | Water Soluble | Total          |                       | Muriate        | Sulfate        |                         |                |
|                 |               |                |                        |             |               | 15.28<br>14.83 | 18.54<br>18.00        |                |                | 76.4<br>74.2            | 68915          |
|                 |               |                |                        |             |               | 20.40<br>20.60 | 24.76<br>25.00        |                |                | 102.0<br>103.0          | 68605          |
|                 |               |                |                        |             |               |                |                       | 51.80<br>50.00 |                | 103.6<br>100.0          | 68606          |
|                 |               |                |                        |             |               |                |                       |                | 50.88<br>48.00 | 101.8<br>96.0           | 68607          |
| 1.70<br>0.00    | 1.00<br>0.20  | 12.70<br>10.20 |                        |             | 2.67          | 3.11<br>2.47   | 3.78<br>3.00          | 3.43<br>3.00   |                | 40.4<br>33.4            | 68630          |
| 1.10<br>2.00    | 0.80<br>0.20  | 12.90<br>12.20 |                        |             | 1.37          | 1.99<br>1.65   | 2.42<br>2.00          |                |                | 28.4<br>26.3            | 68631          |
| 1.70<br>4.00    | 7.00<br>4.00  | 21.70<br>18.00 |                        |             |               |                |                       |                |                | 17.6<br>16.8            | 68050          |
| 7.05<br>9.20    | 4.55<br>1.30  | 21.60<br>20.50 |                        |             |               |                |                       |                |                | 20.5<br>23.0            | 68916<br>69164 |
| 8.10<br>7.90    | 3.60<br>3.70  | 21.70<br>21.60 |                        |             |               |                |                       |                |                | 21.7<br>21.5            | 69421<br>69434 |
| 6.00            | 2.00          | 18.00          |                        |             |               |                |                       |                |                | 19.2                    |                |
| 2.60<br>0.00    | 9.50<br>7.00  | 22.10<br>17.00 |                        |             |               |                |                       | 2.13<br>2.00   |                | 23.2<br>19.0            | 68052          |
| 9.00<br>8.00    | 9.70<br>6.00  | 18.70<br>14.00 |                        |             | 0.36          | 1.10<br>0.82   | 1.34<br>1.00          | 1.00           | 1.18           | 25.2<br>20.5            | 68053          |
| 9.40<br>8.00    | 6.80<br>6.00  | 16.20<br>14.00 |                        |             | 0.34          | 0.56<br>0.41   | 0.68<br>0.50          | 4.61<br>4.00   |                | 28.8<br>24.5            | 68054          |
| 8.20<br>8.00    | 10.00<br>5.00 | 18.20<br>13.00 |                        |             | 0.41          | 1.98<br>1.65   | 2.40<br>2.00          |                | 2.64<br>2.00   | 31.5<br>26.3            | 68055          |
| 0.00<br>8.00    | 3.60<br>4.00  | 13.60<br>12.00 |                        |             | 0.61          | 2.11<br>1.65   | 2.56<br>2.00          | 0.68           | 3.80<br>4.00   | 36.0<br>29.9            | 68056          |

TABLE I.

| Station Number | Name and Address of Manufacturer and Name of Brand                               | From Whom Obtained                                  |
|----------------|--|---|
|                | <b>Victor Guano Co., Nashville, Tenn.</b>  |   |
| 68057          | Premium Tobacco Grower.....  | Manufacturer.....<br>Guaranteed.....                |
| 68058          | Ky. High Grade Tobacco Grower.....   | Manufacturer.....<br>Guaranteed.....                |
| 68059          | Wheat, Oat and Corn Grower.....  | Manufacturer.....<br>Guaranteed.....                |
|                | <b>Virginia-Carolina Chemical Co., Inc.,<br/>Cincinnati, Nashville, Memphis.</b> |   |
| 68017          | V-C 16% Acid Phosphate.....  | W. E. Pointer, Horse Cave.....                      |
| 68018          |  | Burton Bros. and Tabor Bros., Norfleet.....         |
| 68019          |  | Farmers Union Supply Co., Glasgow.....              |
| 69411          |  | Farmers Union Supply Co., Glasgow.....              |
| 69412          |  | E. M. Ford and Son, Cave City.....                  |
| 69413          |  | C. A. Casteel, E. Bernstadt.....                    |
| 69414          |  | A. W. Tarter, Columbia.....<br>Guaranteed.....      |
| 68020          | V-C 20% Acid Phosphate.....  | A. W. Tarter, Columbia.....                         |
| 68021          |  | Vernon Shuffett, Greensburg.....<br>Guaranteed..... |
| 68022          | V-C 24% Acid Phosphate.....  | Burton Bros. and Tabor Bros., Norfleet.....         |
| 68023          |  | W. L. Ray, Somerset.....                            |
| 69415          |  | Farm Bureau, Monticello.....<br>Guaranteed.....     |
| 68552          | V-C Phospho Tobacco (300 lbs. Stems<br>per ton)                                  | Manufacturer.....<br>Guaranteed.....                |
| 68024          | V-C Capitol Phosphate and Potash   | A. W. Tarter, Columbia.....                         |
| 69416          |  | A. W. Tarter, Columbia.....<br>Guaranteed.....      |
| 69160          | V-C Prolific Grain Grower.....   | R. M. Bagby, Grayson.....<br>Guaranteed.....        |
| 68555          | V-C Sure Grain Producer.....   | Manufacturer.....<br>Guaranteed.....                |

TABLE I.

[illegible]



TABLE I.

| Station Number | Name and Address of Manufacturer and Name of Brand                           | From Whom Obtained                                 |
|----------------|--|--|
|                | <b>Virginia-Carolina Chemical Co., Inc., Cincinnati, Nashville, Memphis.</b> |  |
| 68925          | V-C Champion Corn and Wheat Grower.....                                      | Burton Bros. and Tabor Bros., Norfleet.            |
| 68926          |  | Ky. Wholesale Co., Pikeville.....                  |
| 69417          |  | C. A. Casteel, E. Bernstadt.....                   |
|                |  | Guaranteed.....                                    |
| 69418          | V-C Farmers Friend .....   | Taylor County Supply Co., Campbells-<br>ville..... |
|                |  | Guaranteed.....                                    |
| 68927          | V-C Beef, Blood and Bone, B. B. B .....                                      | Ky. Wholesale Co., Pikeville.....                  |
| 68928          |  | Burton Bros. and Tabor Bros., Norfleet.....        |
| 69161          |  | Ed. G. Scruggs, Adairville.....                    |
| 69419          |  | Taylor County Supply Co., Campbells-<br>ville..... |
|                |  | Guaranteed.....                                    |
| 68929          | V-C Springfall Fertilizer.....   | Ky. Wholesale Co., Pikeville.....                  |
| 68930          |  | G. M. Garrison, Mt. Victory .....                  |
|                |  | Guaranteed.....                                    |
| 68932          | V-C 2-8-4 Tobacco Special (Potash<br>from Sulphate).....                     | Vernon Shuffett, Greensburg.....                   |
| 68933          |  | Lewis and Drye, Lebanon.....                       |
| 68934          |  | Farmers Union Supply Co., Glasgow.....             |
|                |  | Guaranteed.....                                    |
| 68935          | V-C Tobacco and Truck Special.....   | E. M. Ford and Son, Cave City .....                |
| 68936          |  | Morrell Supply Co., Prestonsburg.....              |
| 68937          |  | Burton Bros. and Tabor Bros., Norfleet.....        |
| 69162          |  | T. H. O'Bryan, Dawson Springs.....                 |
|                |  | Guaranteed.....                                    |
| 68563          | V. C. Bone Meal and Phosphate.....   | Manufacturer.....                                  |
|                |  | Guaranteed.....                                    |
| 68938          | V-C Pure Bone Meal .....   | Burton Bros. and Tabor Bros., Norfleet.....        |
|                |  | Guaranteed.....                                    |
| 68939          | V-C Raw Bone Meal .....  | Burton Bros. and Tabor Bros., Norfleet.....        |
| 69420          |  | E. M. Ford and Son., Cave City.....                |
|                |  | Guaranteed.....                                    |

TABLE I.

| PHOSPHORIC ACID |           |       | Percentage<br>Of Fineness |             | NITROGEN      |       | Equivalent to<br>Ammonia | POTASH  |         | Index of<br>Relative Value | Station<br>Number |
|-----------------|-----------|-------|---------------------------|-------------|---------------|-------|--------------------------|---------|---------|----------------------------|-------------------|
| Available       | Insoluble | Total | Fine Bone                 | Medium Bone | Water Soluble | Total |                          | Muriate | Sulfate |                            |                   |
| 8.70            | 1.40      | 10.10 |                           |             | 0.85          | 0.85  | 1.03                     | 1.95    |         | 21.8                       | 68925             |
| 8.30            | 1.75      | 10.05 |                           |             | 0.50          | 0.82  | 1.00                     | 2.09    |         | 21.4                       | 68926             |
| 7.60            | 1.50      | 9.10  |                           |             | 0.88          | 0.88  | 1.07                     | 2.18    |         | 20.8                       | 69417             |
| 8.00            | 1.50      | 9.50  |                           |             |               | 0.82  | 1.00                     | 2.00    |         | 20.7                       |                   |
| 8.65            | 6.85      | 15.50 |                           |             | 0.61          | 0.96  | 1.17                     | 3.20    |         | 26.9                       | 69418             |
| 8.00            | 1.50      | 9.50  |                           |             |               | 0.82  | 1.00                     | 3.00    |         | 22.7                       |                   |
| 9.15            | 2.05      | 11.20 |                           |             | 1.20          | 1.72  | 2.09                     | 2.04    |         | 27.2                       | 68927             |
| 9.85            | 1.80      | 11.65 |                           |             | 1.49          | 1.76  | 2.14                     | 2.54    |         | 29.4                       | 68928             |
| 9.05            | 11.80     | 20.85 |                           |             | 1.34          | 1.73  | 2.10                     | 2.32    |         | 31.6                       | 69161             |
| 8.75            | 7.85      | 16.60 |                           |             | 1.00          | 1.51  | 1.83                     | 2.33    |         | 28.5                       | 69419             |
| 8.00            | 1.50      | 9.50  |                           |             |               | 1.65  | 2.00                     | 2.00    |         | 24.9                       |                   |
| 12.80           | 2.25      | 15.05 |                           |             | 1.35          | 1.88  | 2.28                     | 2.04    |         | 33.6                       | 68929             |
| 13.05           | 1.60      | 14.65 |                           |             | 1.26          | 1.72  | 2.09                     | 2.05    |         | 32.9                       | 68930             |
| 12.00           | 1.50      | 13.50 |                           |             |               | 1.65  | 2.00                     | 2.00    |         | 30.9                       |                   |
| 9.00            | 11.25     | 20.25 |                           |             | 1.29          | 1.64  | 1.99                     | 0.60    | 4.15    | 34.5                       | 68932             |
| 8.50            | 11.10     | 19.60 |                           |             | 1.16          | 1.53  | 1.86                     |         | 3.64    | 33.3                       | 68933             |
| 9.00            | 11.10     | 20.10 |                           |             | 1.16          | 1.64  | 1.99                     |         | 3.91    | 34.0                       | 68934             |
| 8.00            | 1.50      | 9.50  |                           |             |               | 1.65  | 2.00                     |         | 4.00    | 28.9                       |                   |
| 8.50            | 9.80      | 18.30 |                           |             | 1.91          | 2.39  | 2.90                     |         | 5.93    | 40.5                       | 68935             |
| 9.10            | 1.70      | 10.80 |                           |             | 2.12          | 2.39  | 2.90                     |         | 6.31    | 38.9                       | 68936             |
| 9.30            | 1.60      | 10.90 |                           |             | 2.05          | 2.29  | 2.78                     |         | 6.13    | 38.3                       | 68937             |
| 8.80            | 9.10      | 17.90 |                           |             | 1.75          | 2.26  | 2.74                     |         | 6.47    | 41.1                       | 69162             |
| 8.00            | 1.50      | 9.50  |                           |             |               | 2.47  | 3.00                     |         | 6.00    | 37.0                       |                   |
| 9.70            | 14.80     | 24.50 |                           |             |               | 0.94  | 1.14                     |         |         | 25.2                       | 68563             |
| 10.00           | 12.00     | 22.00 |                           |             |               | 0.82  | 1.00                     |         |         | 23.9                       |                   |
|                 |           | 25.60 | 83                        | 17          |               | 3.03  | 3.68                     |         |         | 35.6                       | 68938             |
|                 |           | 22.00 |                           |             |               | 2.47  | 3.00                     |         |         | 30.0                       |                   |
|                 |           | 22.80 | 100                       |             |               | 3.91  | 4.75                     |         |         | 37.8                       | 68939             |
|                 |           | 23.00 | 100                       |             |               | 4.02  | 4.88                     |         |         | 38.5                       | 69420             |
|                 |           | 20.00 |                           |             |               | 3.71  | 4.50                     |         |         | 34.6                       |                   |

TABLE I.

| Station Number | Name and Address of Manufacturer and Name of Brand  | From Whom Obtained                 |
|----------------|---|------------------------------------|
| 68566          | <b>Virginia-Carolina Chemical Co. Inc., Cincinnati, Nashville, Memphis.</b><br>V-C Plant Food for Vegetables, Lawns and Flowers | Manufacturer<br>Guaranteed         |
| 68567          | V-C Big Potato and Truck  | Manufacturer<br>Guaranteed         |
| 69163          | V-C Super-Thirty Fertilizer   | R. M. Bagby, Grayson<br>Guaranteed |
| 69175          | V-C Pure Bone Meal (Steamed)  | Manufacturer<br>Guaranteed         |
| 69178          | <b>Wilson and Co., New Albany, Ind.</b><br>Red "W" Brand High Grade Tobacco and Truck Gr.                                       | *<br>Guaranteed                    |
| 69179          | Red "W" Brand Tobacco Grower  | *<br>Guaranteed                    |
| 69180          | Red "W" Brand Two Twelve Six  | *<br>Guaranteed                    |
| 69181          | Red "W" Brand Two Twelve Two  | *<br>Guaranteed                    |
| 69182          | Red "W" Brand Two In One  | *<br>Guaranteed                    |
| 69183          | Red "W" Brand Ky. Tobacco Grower  | *<br>Guaranteed                    |
| 69184          | Red "W" Brand Potato and Tobacco Special  | *<br>Guaranteed                    |
| 69185          | Red "W" Brand Corn and Wheat Special  | *<br>Guaranteed                    |
| 69186          | Red "W" Brand Onion and Tobacco Grower  | *<br>Guaranteed                    |

\* The manufacturer failed to furnish sample as required by law.

TABLE I.

| PHOSPHORIC ACID |              |                | Percentage<br>Of Fineness |             | NITROGEN      |              | Equivalent to<br>Ammonia | POTASH       |         | Index of<br>Relative Value | Station<br>Number |
|-----------------|--------------|----------------|---------------------------|-------------|---------------|--------------|--------------------------|--------------|---------|----------------------------|-------------------|
| Available       | Insoluble    | Total          | Fine Bone                 | Medium Bone | Water Soluble | Total        |                          | Muriate      | Sulfate |                            |                   |
| 9.15<br>8.00    | 2.15<br>1.50 | 11.30<br>9.50  |                           |             | 4.68          | 5.80<br>4.94 | 7.08<br>6.00             | 0.88<br>3.00 | 3.43    | 52.2<br>43.3               | 68566             |
| 11.55<br>10.00  | 1.95<br>1.50 | 13.50<br>11.50 |                           |             | 2.54          | 2.93<br>2.47 | 3.56<br>3.00             | 4.79<br>4.00 |         | 42.3<br>36.0               | 68567             |
| 18.90<br>18.00  | 1.60<br>1.50 | 20.50<br>19.50 |                           |             | 4.33          | 4.67<br>4.94 | 5.67<br>6.00             | 6.32<br>6.00 |         | 65.0<br>64.3               | 69163             |
|                 |              | 29.10<br>27.00 | 70                        | 30          |               | 1.42<br>1.65 | 1.72<br>2.00             |              |         | 30.4<br>29.9               | 69175             |
| 10.00           | 4.00         | 14.00          |                           |             |               | 2.47         | 3.00                     | 4.00         |         | 37.0                       | 69178             |
| 8.00            | 4.00         | 12.00          |                           |             |               | 2.47         | 3.00                     | 6.00         |         | 38.0                       | 69179             |
| 12.00           | 4.00         | 16.00          |                           |             |               | 1.65         | 2.00                     | 6.00         |         | 39.9                       | 69180             |
| 12.00           | 4.00         | 16.00          |                           |             |               | 1.65         | 2.00                     | 2.00         |         | 31.9                       | 69181             |
| 16.00           | 4.00         | 20.00          |                           |             |               | 1.65         | 2.00                     | 2.00         |         | 37.9                       | 69182             |
| 3.00            | 4.00         | 12.00          |                           |             |               | 1.65         | 2.00                     | 8.00         |         | 37.9                       | 69183             |
| 8.00            | 4.00         | 12.00          |                           |             |               | 1.65         | 2.00                     | 5.00         |         | 31.9                       | 69184             |
| 8.00            | 4.00         | 12.00          |                           |             |               | 1.65         | 2.00                     | 2.00         |         | 25.9                       | 69185             |
| 8.00            | 4.00         | 12.00          |                           |             |               | 0.82         | 1.00                     | 3.00         |         | 23.7                       | 69186             |

TABLE I.

| Station<br>Number | Name and Address of Manufacturer<br>and Name of Brand  | From Whom Obtained  |
|-------------------|--|---|
|                   | <b>Wilson and Co., New Albany, Ind.</b>                |   |
| 69187             | Red "W" Brand Crop Grower.....                         | * .....<br>Guaranteed.....  |
| 69188             | Red "W" Brand Fifteen Seven and<br>One-Half.....       | * .....<br>Guaranteed.....  |
| 69189             | Red "W" Brand Twelve Twelve.....                       | * .....<br>Guaranteed.....  |
| 69190             | Red "W" Brand Ten Ten Hummer.....                      | * .....<br>Guaranteed.....  |
| 69191             | Red "W" Brand Half and Half.....                       | * .....<br>Guaranteed.....  |
| 69422             | Red "W" Brand Acid Phosphate 16%.....                  | Taylor County Supply Co., Campbells-<br>ville.....<br>Guaranteed..... |
| 69193             | Red "W" Brand Acid Phosphate 20%.....                  | * .....<br>Guaranteed.....  |
|                   | <b>Wood, Stubbs and Co., Inc., Louisville,<br/>Ky.</b> |   |
| 68499             | Acme Truckers Special.....                             | Manufacturer.....<br>Guaranteed.....                                  |
| 68500             | Acme High Grade Vegetable Grower.....                  | Manufacturer.....<br>Guaranteed.....                                  |
| 68502             | Acme Wheat and Corn Grower.....                        | Manufacturer.....<br>Guaranteed.....                                  |
| 68504             | Acme 2-8-3 Brand.....                                  | Manufacturer.....<br>Guaranteed.....                                  |

\* The manufacturer failed to furnish sample as required by law.

TABLE I.

| PHOSPHORIC ACID |              |                | Percentage<br>Of Fineness |             | NITROGEN      |              | Equivalent to<br>Ammonia | POTASH       |              | Index of<br>Relative Value | Station<br>Number |
|-----------------|--------------|----------------|---------------------------|-------------|---------------|--------------|--------------------------|--------------|--------------|----------------------------|-------------------|
| Available       | Insoluble    | Total          | Fine Bone                 | Medium Bone | Water Soluble | Total        |                          | Muriate      | Sulfate      |                            |                   |
| .00             | 4.00         | 12.00          |                           |             |               | 0.82         | 1.00                     | 1.00         |              | 19.7                       | 69187             |
| .00             | 4.00         | 19.00          |                           |             |               |              |                          | 7.50         |              | 37.5                       | 69188             |
| .00             | 4.00         | 16.00          |                           |             |               |              |                          | 12.00        |              | 42.0                       | 69189             |
| .00             | 4.00         | 14.00          |                           |             |               |              |                          | 10.00        |              | 35.0                       | 69190             |
| .00             | 6.00         | 12.00          |                           |             |               | 2.06         | 2.50                     | 1.00         |              | 23.7                       | 69191             |
| .40<br>.00      | 0.70<br>2.00 | 17.10<br>18.00 |                           |             |               |              |                          |              |              | 19.7<br>19.2               | 69422             |
| .00             | 2.00         | 22.00          |                           |             |               |              |                          |              |              | 24.0                       | 69193             |
| .10<br>.00      | 2.00<br>4.00 | 14.10<br>14.00 |                           |             | 0.98          | 1.50<br>1.65 | 1.82<br>2.00             | 0.60         | 3.05<br>4.00 | 33.8<br>32.9               | 68499             |
| .15<br>.00      | 3.45<br>4.00 | 13.60<br>14.00 |                           |             | 3.54          | 3.92<br>3.29 | 4.76<br>4.00             |              |              | 36.2<br>33.1               | 68500             |
| .45<br>.00      | 4.85<br>4.00 | 14.30<br>14.00 |                           |             | 0.39          | 0.92<br>0.41 | 1.12<br>0.50             | 1.90<br>1.00 |              | 24.5<br>20.7               | 68502             |
| .85<br>.00      | 2.90<br>4.00 | 10.75<br>12.00 |                           |             | 0.67          | 1.36<br>1.65 | 1.65<br>2.00             | 4.17         | 3.00         | 28.1<br>27.9               | 68504             |



TABLE II.

| Station Number | Name and Address of Manufacturer and Name of Brand  | From Whom Obtained                            |
|----------------|---|---|
| 68009          | <b>A. D. Adair and McCarty Bros., Inc.,</b><br><b>Atlanta, Ga., Chattanooga, Tenn.</b><br>A. and M. H. Gr. Tobacco Grower | Manufacturer<br>Guaranteed                    |
| 68655          | <b>The American Ag. Chem. Co., Inc.,</b><br><b>Cincinnati, O.</b><br>A. A. C. High Potash Tobacco Grower                  | H. D. Jones, Glasgow<br>Guaranteed            |
| 67924          | A. A. C. Tobacco and Truck Fertilizer   | Manufacturer<br>Guaranteed                    |
| 67932          | Bowker's Harvest Queen  | Manufacturer<br>Guaranteed                    |
| 67934          | Bowker's Corn and Wheat Phosphate   | Manufacturer<br>Guaranteed                    |
| 69221          | †Bowker's Grain and Grass Grower  | R. H. Mayhew Feed Co., Franklin<br>Guaranteed |
| 67936          | Bowker's Tobacco and Truck Grower   | Manufacturer<br>Guaranteed                    |
| 68671          | Bowker's High Potash Tobacco  | Gooch and Payne, Eubank                       |
| 68672          | Grower  | John B. Riffe, Hustonville<br>Guaranteed      |
| 67946          | Bradley's Faultless Grain Grower  | Manufacturer<br>Guaranteed                    |
| 67947          | Bradley's Sure Crop   | Manufacturer<br>Guaranteed                    |
| 67948          | Bradley's Potato and Root Fertilizer  | Manufacturer<br>Guaranteed                    |
| 67949          | Bradley's Corn and Wheat Phosphate  | Manufacturer<br>Guaranteed                    |
| 67950          | Bradley's Grain and Grass Grower  | Manufacturer<br>Guaranteed                    |
| 67951          | Bradley's Tobacco and Truck Grower  | Manufacturer<br>Guaranteed                    |

TABLE II.

| PHOSPHORIC ACID      |                      |                       | Percentage<br>Of Fineness |             | NITROGEN      |                      | Equivalent to<br>Ammonia | POTASH                |              | Index of<br>Relative Value | Station<br>Number |
|----------------------|----------------------|-----------------------|---------------------------|-------------|---------------|----------------------|--------------------------|-----------------------|--------------|----------------------------|-------------------|
| Available            | Insoluble            | Total                 | Fine Bone                 | Medium Bone | Water Soluble | Total                |                          | Muriate               | Sulfate      |                            |                   |
| 7.10<br>8.00         | 1.00                 | 8.10                  |                           |             | 4.37          | 5.16<br>2.47         | 6.26<br>3.00             | 1.64                  | 4.43<br>5.00 | 49.0<br>34.4               | 68009             |
| 8.90<br>8.00         | 1.50<br>4.00         | 10.40<br>12.00        |                           |             | 1.39          | 1.73<br>1.65         | 2.10<br>2.00             | 9.04<br>10.00         |              | 40.7<br>41.9               | 68655             |
| 8.20<br>8.00         | 1.70<br>4.00         | 9.90<br>12.00         |                           |             | 1.21          | 1.67<br>1.65         | 2.03<br>2.00             | 4.24                  | 1.01<br>5.00 | 31.8<br>31.9               | 67924             |
| 8.20<br>8.00         | 0.90<br>4.00         | 9.10<br>12.00         |                           |             | 0.56          | 0.80<br>0.82         | 0.97<br>1.00             | 1.97<br>2.00          |              | 20.6<br>21.7               | 67932             |
| 9.30<br>9.00         | 1.30<br>4.00         | 11.60<br>14.00        |                           |             | 0.69          | 0.90<br>0.82         | 1.09<br>1.00             | 1.22<br>1.00          |              | 22.9<br>22.7               | 67934             |
| 8.00<br>8.00         | 1.60<br>4.00         | 9.60<br>12.00         |                           |             | 1.34          | 1.63<br>1.65         | 1.98<br>2.00             | 2.13<br>2.00          |              | 25.1<br>25.9               | 69221             |
| 9.10<br>9.00         | 1.70<br>4.00         | 11.80<br>14.00        |                           |             | 2.13          | 2.52<br>2.47         | 3.06<br>3.00             | 1.18<br>1.00          |              | 30.8<br>31.0               | 67936             |
| 8.45<br>8.70<br>8.00 | 1.00<br>1.10<br>4.00 | 9.45<br>9.80<br>12.00 |                           |             | 1.49<br>1.51  | 1.74<br>1.78<br>1.65 | 2.10<br>2.16<br>2.00     | 9.80<br>9.97<br>10.00 |              | 41.4<br>42.3<br>41.9       | 68671<br>68672    |
| 8.10<br>8.00         | 1.10<br>4.00         | 9.20<br>12.00         |                           |             | 0.54          | 0.81<br>0.82         | 0.98<br>1.00             | 1.13<br>1.00          |              | 18.9<br>19.7               | 67946             |
| 8.20<br>8.00         | 0.90<br>4.00         | 9.10<br>12.00         |                           |             | 0.56          | 0.80<br>0.82         | 0.97<br>1.00             | 1.97<br>2.00          |              | 20.6<br>21.7               | 67947             |
| 8.30<br>8.00         | 1.00<br>4.00         | 9.30<br>12.00         |                           |             | 0.64          | 0.86<br>0.82         | 1.04<br>1.00             | 3.25<br>3.00          |              | 23.7<br>23.7               | 67948             |
| 9.30<br>9.00         | 1.30<br>4.00         | 11.60<br>14.00        |                           |             | 0.69          | 0.90<br>0.82         | 1.09<br>1.00             | 1.22<br>1.00          |              | 22.9<br>22.7               | 67949             |
| 7.90<br>8.00         | 1.50<br>4.00         | 9.40<br>12.00         |                           |             | 1.35          | 1.63<br>1.65         | 1.98<br>2.00             | 2.11<br>2.00          |              | 24.8<br>25.9               | 67950             |
| 9.10<br>9.00         | 1.70<br>4.00         | 11.80<br>14.00        |                           |             | 2.13          | 2.52<br>2.47         | 3.06<br>3.00             | 1.18<br>1.00          |              | 30.8<br>31.0               | 67951             |

TABLE II.

| Station<br>Number | Name and Address of Manufacturer<br>and Name of Brand        | From Whom Obtained                                 |
|-------------------|--|--|
|                   | <b>The American Ag. Chem. Co., Inc.,<br/>Cincinnati, O.</b>  |  |
| 67956             | Cleveland Dryer Works Faultless<br>Grain Grower .....        | Manufacturer .....                                 |
|                   |  | Guaranteed .....                                   |
| 67957             | Cleveland Dryer Works Sure Crop .....                        | Manufacturer .....                                 |
|                   |  | Guaranteed .....                                   |
| 67958             | Cleveland Dryer Works Potato and<br>Tobacco Fertilizer ..... | Manufacturer .....                                 |
|                   |  | Guaranteed .....                                   |
| 67959             | Cleveland Dryer Works Phospho Bone .....                     | Manufacturer .....                                 |
|                   |  | Guaranteed .....                                   |
| 67960             | Cleveland Dryer Works Grain and<br>Grass Grower .....        | Manufacturer .....                                 |
|                   |  | Guaranteed .....                                   |
| 67961             | Cleveland Dryer Works Tobacco and<br>Truck Grower .....      | Manufacturer .....                                 |
|                   |  | Guaranteed .....                                   |
| 68676             | †Red Line Complete Manure .....                              | W. T. Nunn, Horse Cave .....                       |
| 69225             |  | Lindsey, Orr and Co., Elkton .....                 |
|                   |  | Guaranteed .....                                   |
| 69228             | †Michigan Carbon Works Sure Crop .....                       | L. R. Chelf, Knifley .....                         |
|                   |  | Guaranteed .....                                   |
| 69231             | †Homestead A Bone Black Fertilizer .....                     | R. H. Mayhew Feed Co., Franklin .....              |
| 69232             |  | Lebanon Carriage and Impl. Co., Leb-<br>anon ..... |
| 69233             |  | Lindsey, Orr and Co., Elkton .....                 |
| 69234             |  | J. W. Schoolcraft, W. Somerset .....               |
|                   |  | Guaranteed .....                                   |
| 69235             | †Homestead Tobacco Grower .....                              | Skaggs and Carver, Horse Cave .....                |
|                   |  | Guaranteed .....                                   |
| 68983             | Homestead High Potash Tobacco<br>Grower .....                | Cayce-Yost Co., Hopkinsville .....                 |
|                   |  | Guaranteed .....                                   |

TABLE II.

| PHOSPHORIC ACID              |                              |                               | Percentage<br>Of Fineness |             | NITROGEN             |                              | Equivalent to<br>Ammonia     | POTASH                       |              | Index of<br>Relative Value   | Station<br>Number       |
|------------------------------|------------------------------|-------------------------------|---------------------------|-------------|----------------------|------------------------------|------------------------------|------------------------------|--------------|------------------------------|-------------------------|
| Available                    | Insoluble                    | Total                         | Fine Bone                 | Medium Bone | Water Soluble        | Total                        |                              | Muriate                      | Sulfate      |                              |                         |
| 8.10<br>8.00                 | 1.10<br>4.00                 | 9.20<br>12.00                 |                           |             | 0.54                 | 0.81<br>0.82                 | 0.98<br>1.00                 | 1.13<br>1.00                 |              | 18.9<br>19.7                 | 67956                   |
| 8.20<br>8.00                 | 0.90<br>4.00                 | 9.10<br>12.00                 |                           |             | 0.56                 | 0.80<br>0.82                 | 0.97<br>1.00                 | 1.97<br>2.00                 |              | 20.6<br>21.7                 | 67957                   |
| 8.30<br>8.00                 | 1.00<br>4.00                 | 9.30<br>12.00                 |                           |             | 0.64                 | 0.86<br>0.82                 | 1.04<br>1.00                 | 3.25<br>3.00                 |              | 23.7<br>23.7                 | 67958                   |
| 10.30<br>10.00               | 1.30<br>4.00                 | 11.60<br>14.00                |                           |             | 0.69                 | 0.90<br>0.82                 | 1.09<br>1.00                 | 1.22<br>1.00                 |              | 22.9<br>22.7                 | 67959                   |
| 7.90<br>8.00                 | 1.50<br>4.00                 | 9.40<br>12.00                 |                           |             | 1.35                 | 1.63<br>1.65                 | 1.98<br>2.00                 | 2.11<br>2.00                 |              | 24.8<br>25.9                 | 67960                   |
| 10.10<br>10.00               | 1.70<br>4.00                 | 11.80<br>14.00                |                           |             | 2.13                 | 2.52<br>2.47                 | 3.06<br>3.00                 | 1.18<br>1.00                 |              | 30.8<br>31.0                 | 67961                   |
| 7.60<br>8.35<br>8.00         | 1.60<br>1.50<br>4.00         | 9.20<br>9.85<br>12.00         |                           |             | 0.70<br>0.71         | 0.91<br>0.92<br>0.82         | 1.10<br>1.12<br>1.00         | 0.96<br>1.09<br>1.00         |              | 18.5<br>19.9<br>19.7         | 68676<br>69225          |
| 8.25<br>8.00                 | 1.75<br>4.00                 | 10.00<br>12.00                |                           |             | 0.57                 | 0.81<br>0.82                 | 0.98<br>1.00                 | 1.61<br>2.00                 |              | 20.4<br>21.7                 | 69228                   |
| 7.90                         | 1.40                         | 9.30                          |                           |             | 1.78                 | 2.10                         | 2.55                         | 1.47                         |              | 25.9                         | 69231                   |
| 8.20<br>7.95<br>7.70<br>8.00 | 1.60<br>1.30<br>1.65<br>4.00 | 9.80<br>9.25<br>9.35<br>12.00 |                           |             | 1.68<br>1.72<br>1.71 | 2.07<br>2.09<br>2.05<br>2.06 | 2.51<br>2.54<br>2.49<br>2.50 | 1.28<br>1.84<br>1.50<br>1.50 |              | 25.9<br>26.6<br>25.5<br>26.9 | 69232<br>69233<br>69234 |
| 10.70<br>10.00               | 1.70<br>4.00                 | 12.40<br>14.00                |                           |             | 1.91                 | 2.37<br>2.47                 | 2.88<br>3.00                 | 1.00<br>3.00                 | 1.60<br>3.00 | 33.8<br>35.0                 | 69235                   |
| 8.80<br>8.00                 | 2.30<br>4.00                 | 11.10<br>12.00                |                           |             | 1.40                 | 1.86<br>1.65                 | 2.26<br>2.00                 | 6.83<br>10.00                |              | 37.1<br>41.9                 | 68983                   |

TABLE II.

| Station Number | Name and Address of Manufacturer and Name of Brand  | From Whom Obtained                           |
|----------------|---|--|
| 68986          | <b>The American Ag. Chem. Co., Inc., Cincinnati, Ohio.</b><br>†Homestead Potato and Tobacco Special | C. B. Carden and Co., Hartford<br>Guaranteed |
| 69237          | N-W Horseshoe Br. Sure Crop   | J. W. Schoolcraft, W. Somerset<br>Guaranteed |
| 67982          | N-W Horseshoe Br. Potash Manure   | Manufacturer<br>Guaranteed                   |
| 68695          | †N-W Horseshoe Br. Corn and Wheat Phosphate   | E. S. Ferrill and Sons, Buffalo              |
| 69238          |   | Sam Terry, Big Clifty<br>Guaranteed          |
| 69239          | †N-W Horseshoe Br. Challenge Corn Grower  | Sam Terry, Big Clifty<br>Guaranteed          |
| 67985          | N-W Horseshoe Br. Tobacco and Truck Grower  | Manufacturer<br>Guaranteed                   |
| 67986          | N-W Horseshoe Br. High Potash Tobacco Grower  | Manufacturer<br>Guaranteed                   |
| 67989          | N-W Horseshoe Br. Tobacco Grower  | Manufacturer<br>Guaranteed                   |
| 67996          | Packers Boar's Head Br. Faultless Grain Grower  | Manufacturer<br>Guaranteed                   |
| 67997          | Packers Boar's Head Br. Sure Crop   | Manufacturer<br>Guaranteed                   |
| 67998          | Packers Boar's Head Br. Sure Growth Potash Manure   | Manufacturer<br>Guaranteed                   |
| 67999          | Packers Boar's Head Br. Tobacco and Truck Grower  | Manufacturer<br>Guaranteed                   |

TABLE II.

| PHOSPHORIC ACID         |                      |                         | Percentage Of Fineness |             | NITROGEN      |                      | Equivalent to Ammonia | POTASH               |              | Index of Relative Value | Station Number |
|-------------------------|----------------------|-------------------------|------------------------|-------------|---------------|----------------------|-----------------------|----------------------|--------------|-------------------------|----------------|
| Available               | Insoluble            | Total                   | Fine Bone              | Medium Bone | Water Soluble | Total                |                       | Muriate              | Sulfate      |                         |                |
| 7.80<br>8.00            | 1.80<br>4.00         | 9.60<br>12.00           |                        |             | 1.38          | 1.79<br>1.65         | 2.17<br>2.00          | 0.52                 | 4.81<br>5.00 | 32.0<br>31.9            | 68986          |
| 7.75<br>8.00            | 1.75<br>4.00         | 9.50<br>12.00           |                        |             | 0.63          | 0.85<br>0.82         | 1.03<br>1.00          | 1.83<br>2.00         |              | 20.2<br>21.7            | 69237          |
| 8.30<br>8.00            | 1.00<br>4.00         | 9.30<br>12.00           |                        |             | 0.64          | 0.86<br>0.82         | 1.04<br>1.00          | 3.25<br>3.00         |              | 23.7<br>23.7            | 67982          |
| 10.20<br>10.60<br>10.00 | 1.50<br>1.10<br>4.00 | 11.70<br>11.70<br>14.00 |                        |             | 0.68<br>0.67  | 0.90<br>0.82<br>0.82 | 1.09<br>1.00<br>1.00  | 1.23<br>0.95<br>1.00 |              | 22.9<br>22.3<br>22.7    | 68695<br>69238 |
| 7.50<br>8.00            | 2.00<br>4.00         | 9.50<br>12.00           |                        |             | 1.21          | 1.50<br>1.65         | 1.82<br>2.00          | 2.04<br>2.00         |              | 23.6<br>25.9            | 69239          |
| 10.10<br>10.00          | 1.70<br>4.00         | 11.80<br>14.00          |                        |             | 2.13          | 2.52<br>2.47         | 3.06<br>3.00          | 1.18<br>1.00         |              | 30.8<br>31.0            | 67985          |
| 8.70<br>8.00            | 0.90<br>6.00         | 9.60<br>14.00           |                        |             | 1.64          | 1.64<br>1.65         | 1.99<br>2.00          | 10.31<br>10.00       |              | 42.2<br>42.7            | 67986          |
| 8.20<br>8.00            | 1.70<br>4.00         | 9.90<br>12.00           |                        |             | 1.21          | 1.67<br>1.65         | 2.03<br>2.00          | 4.24<br>5.00         | 1.01         | 31.8<br>31.9            | 67989          |
| 8.10<br>8.00            | 1.10<br>4.00         | 9.20<br>12.00           |                        |             | 0.54          | 0.81<br>0.82         | 0.98<br>1.00          | 1.13<br>1.00         |              | 18.9<br>19.7            | 67996          |
| 8.20<br>8.00            | 0.90<br>4.00         | 9.10<br>12.00           |                        |             | 0.56          | 0.80<br>0.82         | 0.97<br>1.00          | 1.97<br>2.00         |              | 20.6<br>21.7            | 67997          |
| 8.30<br>8.00            | 1.00<br>4.00         | 9.30<br>12.00           |                        |             | 0.64          | 0.86<br>0.82         | 1.04<br>1.00          | 3.25<br>3.00         |              | 23.7<br>23.7            | 67998          |
| 10.10<br>10.00          | 1.70<br>4.00         | 11.80<br>14.00          |                        |             | 2.13          | 2.52<br>2.47         | 3.06<br>3.00          | 1.18<br>1.00         |              | 30.8<br>31.0            | 67999          |



TABLE II.

| Station<br>Number | Name and Address of Manufacturer<br>and Name of Brand                  | From Whom Obtained   |
|-------------------|--|--|
| 68000             | <b>The American Ag. Chem. Co., Inc.,<br/>Cincinnati, O.</b>            |  |
|                   | Packers Boar's Head Br. Corn and<br>Wheat Phosphate .....              | Manufacturer.....<br>Guaranteed.....                                   |
|                   |  |  |
| 68001             | Packers Boar's Head Br. Corn and<br>Wheat Grower.....                  | Manufacturer.....<br>Guaranteed.....                                   |
| 68004             | Packers Boar's Head Br. High Grade<br>Veg. Fertilizer .....            | Manufacturer.....<br>Guaranteed.....                                   |
| 68699             | <b>Armour Fertilizer Works, Louisville,<br/>Cincinnati, Nashville.</b> |  |
|                   | †Big Crop Burley Tobacco Grower. ....                                  | Barren County Grocery and Hdw. Co.,<br>Glasgow.....<br>Guaranteed..... |
|                   |  |  |
| 68706             | †Big Crop Dark Tobacco Grower.....                                     | R. A. Cherry, Richardsville.....<br>Guaranteed.....                    |
| 68709             | †Big Crop Bone Meal .....  | Bert Hodges, Munfordville.....   |
| 68994             |  | Wilson, Winn and Co., Russellville.....                                |
| 68995             |  | Hudson and Farnau, Lancaster.....                                      |
| 69248             |  | Cayce-Yost Co., Hopkinsville.....<br>Guaranteed.....                   |
| 68991             | Big Crop 0-12-4.....   | Johnson and Wilson, Auburn.....  |
| 68996             |  | Wilson, Winn and Co., Russellville.....<br>Guaranteed.....             |
| 68999             | †Big Crop 4-16-4 Fertilizer.....                                       | Sam Terry, Big Clifty.....   |
| 69001             |  | Neal Humlong and Wheat, Germantown.....                                |
| 69256             |  | Grigsby and Co., Bardstown.....  |
| 69425             |  | A. C. Griffin, Sebree.....<br>Guaranteed.....                          |
| 69006             | †Big Crop 2-12-6 Fertilizer.....                                       | Joiner Hardware Co., Princeton.....<br>Guaranteed.....                 |
| 69002             | Ideal High Grade Tobacco Grower.....                                   | The T. J. Turley Co., Owensboro.....                                   |
| 69003             |  | Johnson and Wilson, Auburn.....<br>Guaranteed.....                     |

TABLE II.

| PHOSPHORIC ACID                           |                                      |   | Percentage Of Fineness |                | NITROGEN                     |                                      | Equivalent to Ammonia                | POTASH                               |                       | Index of Relative Value              | Station Number                   |
|---|--------------------------------------|---|------------------------|----------------|------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|-----------------------|--------------------------------------|----------------------------------|
| Available                                 | Insoluble                            | Total                                     | Fine Bone              | Medium Bone    | Water Soluble                | Total                                |                                      | Muriate                              | Sulfate               |                                      |                                  |
| 10.30<br>10.00                            | 1.30<br>4.00                         | 11.60<br>14.00                            |                        |                | 0.69<br>0.82                 | 0.90<br>1.00                         | 1.09<br>1.00                         | 1.22<br>1.00                         |                       | 22.9<br>22.7                         | 68000                            |
| 7.90<br>8.00                              | 1.50<br>4.00                         | 9.40<br>12.00                             |                        |                | 1.35                         | 1.63<br>1.65                         | 1.98<br>2.00                         | 2.11<br>2.00                         |                       | 24.8<br>25.9                         | 68001                            |
| 8.20<br>8.00                              | 1.70<br>4.00                         | 9.90<br>12.00                             |                        |                | 1.21                         | 1.67<br>1.65                         | 2.03<br>2.00                         | 4.24                                 | 1.01<br>5.00          | 31.8<br>31.9                         | 68004                            |
| 8.10<br>8.00                              | 1.80<br>1.00                         | 9.90<br>9.00                              |                        |                | 1.69                         | 2.41<br>2.47                         | 2.93<br>3.00                         | 0.68                                 | 3.26<br>6.00          | 34.8<br>36.8                         | 68699                            |
| 9.00<br>8.00                              | 2.70<br>1.00                         | 11.70<br>9.00                             |                        |                | 1.27                         | 1.83<br>1.65                         | 2.22<br>2.00                         | 0.56                                 | 2.45<br>4.00          | 29.8<br>28.7                         | 68706                            |
|   |                                      | 25.60<br>31.15<br>29.70<br>29.00<br>27.00 | 100<br>75<br>75<br>69  | 25<br>25<br>31 |                              | 3.14<br>2.02<br>1.61<br>2.12<br>2.47 | 3.81<br>2.45<br>1.95<br>2.57<br>3.00 |                                      |                       | 36.2<br>35.0<br>31.8<br>33.8<br>34.0 | 68709<br>68994<br>68995<br>69248 |
| 11.40<br>11.65<br>12.00                   | 1.90<br>3.10<br>1.00                 | 13.30<br>14.75<br>13.00                   |                        |                |                              |                                      |                                      | 3.30<br>3.16<br>4.00                 |                       | 23.7<br>25.0<br>26.0                 | 68991<br>68996                   |
| 16.05<br>15.80<br>16.30<br>16.05<br>16.00 | 0.45<br>0.70<br>0.60<br>1.50<br>1.00 | 16.50<br>16.50<br>16.90<br>17.55<br>17.00 |                        |                | 2.49<br>3.06<br>2.86<br>2.72 | 2.49<br>3.06<br>2.86<br>2.72<br>3.29 | 3.02<br>3.71<br>3.47<br>3.30<br>4.00 | 5.23<br>3.65<br>4.33<br>3.65<br>4.00 |                       | 47.2<br>46.6<br>47.7<br>45.6<br>48.9 | 68999<br>69001<br>69256<br>69425 |
| 12.40<br>12.00                            | 1.95<br>1.00                         | 14.35<br>13.00                            |                        |                | 1.10                         | 1.61<br>1.65                         | 1.95<br>2.00                         | 0.92<br>6.00                         | 4.28                  | 37.8<br>38.7                         | 69006                            |
| 10.60<br>13.10<br>10.00                   | 2.70<br>1.40<br>1.00                 | 13.30<br>14.50<br>11.00                   |                        |                | 1.34<br>1.08                 | 1.97<br>1.57<br>1.65                 | 2.39<br>1.91<br>2.00                 | 1.60<br>0.92                         | 5.68<br>7.50<br>10.00 | 41.4<br>44.9<br>43.7                 | 69002<br>69003                   |

TABLE II.

| Station Number | Name and Address of Manufacturer and Name of Brand                                | From Whom Obtained  |
|----------------|---|---|
| 68460          | <b>The Buhner Fertilizer Co., Seymour, Ind.</b><br>Buhner's 3-8-6 (Sulfate) ----- | Manufacturer -----<br>Guaranteed -----                          |
| 68721          | Buhner's Crop Grower -----  | J. S. McMurtry, Elizabethtown -----                             |
| 68722          |   | Farmers Supply Co., Loretto -----                               |
| 68723          |   | I. K. Miller and Sons, Campbellsville -----                     |
| 69260          |   | J. S. McMurtry, Elizabethtown -----<br>Guaranteed -----         |
| 68727          | †Buhner's Special Crop Grower -----   | I. K. Miller and Sons, Campbellsville -----<br>Guaranteed ----- |
| 68539          | Buhner's 2-8-6 (Sulfate) -----  | Manufacturer -----<br>Guaranteed -----                          |
|                | <b>Calumet Fertilizer Co., New Albany, Ind.</b>                                   |   |
| 69268          | †Calumet Br. Two-Twelve-Two -----   | J. H. Jasper, W. Somerset -----<br>Guaranteed -----             |
| 68733          | †Calumet Br. Kentucky Tobacco Grower -----  | A. W. Tarter, Columbia -----<br>Guaranteed -----                |
| 69273          | Calumet Br. Twelve-Twelve -----   | J. H. Jasper, W. Somerset -----<br>Guaranteed -----             |
| 69275          | Calumet Br. Ten-Ten Hummer -----  | J. H. Jasper, W. Somerset -----<br>Guaranteed -----             |
|                | <b>Consolidated Chemical Co., Louisville, Ky.</b>                                 |   |
| 68734          | Camel Br. Corn and Wheat Special -----  | G. B. Pruitt, Moreland -----                                    |
| 69015          |   | L. R. Hart, Big Clifty -----<br>Guaranteed -----                |
| 68113          | Camel Br. Universal Crop Fertilizer -----   | Manufacturer -----<br>Guaranteed -----                          |
| 69016          | Camel Br. Vegetable, Potato and Tobacco Special -----                             | L. R. Hart, Big Clifty -----<br>Guaranteed -----                |
| 68735          | Camel Br. General Crop Fertilizer -----   | J. F. Collings, Shepherdsville -----<br>Guaranteed -----        |

TABLE II.

| PHOSPHORIC ACID                      |                                      |   | Percentage<br>Of Fineness |             | NITROGEN                     |                                      | Equivalent to<br>Ammonia             | POTASH                               |              | Index of<br>Relative Value           | Station<br>Number                |
|--------------------------------------|--------------------------------------|---|---------------------------|-------------|------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------|--------------------------------------|----------------------------------|
| Available                            | Insoluble                            | Total                                     | Fine Bone                 | Medium Bone | Water Soluble                | Total                                |                                      | Muriate                              | Sulfate      |                                      |                                  |
| 9.35<br>8.00                         | 3.50<br>2.00                         | 12.85<br>10.00                            |                           |             | 1.53                         | 2.26<br>2.47                         | 2.74<br>3.00                         | 0.76                                 | 4.19<br>6.00 | 36.6<br>37.2                         | 68460                            |
| 6.95<br>7.20<br>6.70<br>9.05<br>8.00 | 5.55<br>4.10<br>4.25<br>3.00<br>4.00 | 12.50<br>11.30<br>10.95<br>12.05<br>12.00 |                           |             | 0.59<br>0.46<br>0.50<br>0.62 | 1.38<br>1.53<br>1.71<br>1.28<br>1.65 | 1.68<br>1.86<br>2.08<br>1.55<br>2.00 | 2.40<br>2.75<br>1.71<br>2.20<br>2.00 |              | 24.4<br>25.6<br>23.7<br>25.6<br>25.9 | 68721<br>68722<br>68723<br>69260 |
| 7.10<br>8.00                         | 4.10<br>4.00                         | 11.20<br>12.00                            |                           |             | 0.50                         | 1.69<br>1.65                         | 2.05<br>2.00                         | 5.44<br>6.00                         |              | 31.6<br>33.9                         | 68727                            |
| 6.35<br>8.00                         | 5.80<br>2.00                         | 12.15<br>10.00                            |                           |             | 1.05                         | 1.51<br>1.65                         | 1.83<br>2.00                         | 2.80                                 | 8.32<br>6.00 | 41.6<br>33.1                         | 68539                            |
| 11.30<br>12.00                       | 2.20<br>4.00                         | 13.50<br>16.00                            |                           |             | 0.88                         | 1.65<br>1.65                         | 2.00<br>2.00                         | 2.26<br>2.00                         |              | 30.6<br>31.9                         | 69268                            |
| 7.95<br>8.00                         | 3.85<br>4.00                         | 11.80<br>12.00                            |                           |             | 0.84                         | 1.58<br>1.65                         | 1.92<br>2.00                         | 7.04<br>8.00                         |              | 35.5<br>37.9                         | 68733                            |
| 12.45<br>12.00                       | 1.15<br>4.00                         | 13.60<br>16.00                            |                           |             |                              |                                      |                                      | 12.62<br>12.00                       |              | 43.9<br>42.0                         | 69273                            |
| 10.65<br>10.00                       | 1.05<br>4.00                         | 11.70<br>14.00                            |                           |             |                              |                                      |                                      | 10.46<br>10.00                       |              | 36.9<br>35.0                         | 69275                            |
| 10.25<br>11.75<br>11.00              | 1.75<br>0.85<br>4.00                 | 12.00<br>12.60<br>15.00                   |                           |             | 0.72<br>0.38                 | 0.96<br>0.58<br>0.41                 | 1.17<br>0.70<br>0.50                 | 1.79<br>1.32<br>1.00                 |              | 24.5<br>23.5<br>22.2                 | 68734<br>69015                   |
| 12.25<br>12.00                       | 0.85<br>4.00                         | 13.10<br>16.00                            |                           |             | 0.42                         | 0.87<br>0.82                         | 1.06<br>1.00                         | 1.30<br>1.00                         |              | 25.7<br>25.7                         | 68113                            |
| 9.00<br>11.00                        | 1.50<br>4.00                         | 10.50<br>15.00                            |                           |             | 0.45                         | 0.90<br>0.82                         | 1.09<br>1.00                         | 3.03<br>3.00                         |              | 24.7<br>28.2                         | 69016                            |
| 10.15<br>10.00                       | 1.35<br>4.00                         | 11.50<br>14.00                            |                           |             | 0.59                         | 1.05<br>0.82                         | 1.27<br>1.00                         | 1.68<br>2.00                         | 0.56         | 25.5<br>24.7                         | 68735                            |

TABLE II.

| Station Number | Name and Address of Manufacturer and Name of Brand | From Whom Obtained  |
|----------------|--|---|
|                | <b>Consolidated Chemical Co., Louisville, Ky.</b>  |   |
| 68117          | Camel Br. One-Eight-Three Fertilizer               | Manufacturer.....<br>Guaranteed.....  |
| 68119          | Camel Br. Blue Grass Tobacco Special               | Manufacturer.....<br>Guaranteed.....  |
| 68120          | Camel Br. Blue Grass Tobacco Fertilizer            | Manufacturer.....<br>Guaranteed.....  |
| 68121          | Camel Br. Extra High Grade Tobacco Fertilizer      | Manufacturer.....<br>Guaranteed.....  |
| 68122          | Camel Br. High Grade Special                       | Manufacturer.....<br>Guaranteed.....  |
| 69017          | Camel Br. Superior Tobacco Fertilizer              | L. R. Hart, Big Clifty.....<br>Guaranteed.....                                    |
| 68124          | Camel Br. Tobacco Fertilizer                       | Manufacturer.....<br>Guaranteed.....  |
| 69018          | Camel Br. Standard Grain Fertilizer                | L. R. Hart, Big Clifty.....<br>Guaranteed.....                                    |
| 69019<br>69277 | Camel Br. Beef, Blood and Bone                     | L. R. Hart, Big Clifty.....<br>Lonnie Jackson, Caneyville.....<br>Guaranteed..... |
| 68127          | Camel Br. Extra Special Tobacco Fertilizer         | Manufacturer.....<br>Guaranteed.....  |
| 68128          | Camel Br. 3-8-6 Tobacco Fertilizer                 | Manufacturer.....<br>Guaranteed.....  |
| 69020          | Camel Br. 3-8-6 Tobacco Grower                     | L. R. Hart, Big Clifty.....<br>Guaranteed.....                                    |
| 68130          | Camel Br. Truck and Tobacco Fertilizer             | Manufacturer.....<br>Guaranteed.....  |

TABLE II.

| PHOSPHORIC ACID      |                      |                       | Percentage Of Fineness |             | NITROGEN      |                      | Equivalent to Ammonia | POTASH               |              | Index of Relative Value | Station Number |
|----------------------|----------------------|-----------------------|------------------------|-------------|---------------|----------------------|-----------------------|----------------------|--------------|-------------------------|----------------|
| Available            | Insoluble            | Total                 | Fine Bone              | Medium Bone | Water Soluble | Total                |                       | Muriate              | Sulfate      |                         |                |
| 8.10<br>8.00         | 0.50<br>4.00         | 8.60<br>12.00         |                        |             | 0.44          | 0.90<br>0.82         | 1.09<br>1.00          | 1.28<br>3.00         | 2.31         | 24.0<br>23.7            | 68117          |
| 8.30<br>8.00         | 0.40<br>4.00         | 8.70<br>12.00         |                        |             | 0.87          | 1.31<br>1.23         | 1.59<br>1.50          |                      | 4.34<br>4.00 | 27.8<br>27.8            | 68119          |
| 8.05<br>8.00         | 0.40<br>4.00         | 8.45<br>12.00         |                        |             | 0.81          | 1.22<br>1.23         | 1.48<br>1.50          | 5.21<br>4.00         |              | 28.8<br>27.8            | 68120          |
| 11.00<br>10.00       | 0.40<br>4.00         | 11.40<br>14.00        |                        |             | 1.12          | 1.81<br>1.65         | 2.20<br>2.00          | 5.23<br>4.00         |              | 36.2<br>32.9            | 68121          |
| 10.90<br>10.00       | 0.40<br>4.00         | 11.30<br>14.00        |                        |             | 1.22          | 1.89<br>1.65         | 2.29<br>2.00          | 2.54<br>2.00         |              | 31.0<br>28.9            | 68122          |
| 8.55<br>8.00         | 0.70<br>4.00         | 9.25<br>12.00         |                        |             | 1.75          | 1.75<br>1.65         | 2.12<br>2.00          | 0.80                 | 4.02<br>5.00 | 31.5<br>31.9            | 69017          |
| 8.70<br>8.00         | 0.40<br>4.00         | 9.10<br>12.00         |                        |             | 1.11          | 1.80<br>1.65         | 2.19<br>2.00          | 0.52                 | 1.42<br>2.00 | 26.5<br>25.9            | 68124          |
| 9.00<br>8.00         | 0.70<br>4.00         | 9.70<br>12.00         |                        |             | 1.66          | 1.66<br>1.65         | 2.02<br>2.00          | 2.10<br>2.00         |              | 26.3<br>25.9            | 69018          |
| 8.00<br>8.90<br>8.00 | 1.90<br>1.00<br>4.00 | 9.90<br>9.90<br>12.00 |                        |             | 1.34<br>1.42  | 2.11<br>1.73<br>1.65 | 2.56<br>2.10<br>2.00  | 2.27<br>2.43<br>2.00 |              | 27.9<br>27.3<br>25.9    | 59019<br>69277 |
| 10.50<br>10.00       | 0.80<br>4.00         | 11.30<br>14.00        |                        |             | 1.88          | 2.74<br>2.47         | 3.33<br>3.00          | 0.88                 | 2.62<br>3.00 | 36.8<br>35.0            | 68127          |
| 8.65<br>8.00         | 0.45<br>4.00         | 9.10<br>12.00         |                        |             | 1.88          | 2.71<br>2.47         | 3.29<br>3.00          | 0.96                 | 5.98<br>6.00 | 40.6<br>38.0            | 68128          |
| 8.55<br>8.00         | 0.75<br>4.00         | 9.30<br>12.00         |                        |             | 1.65          | 2.52<br>2.47         | 3.06<br>3.00          | 6.10<br>6.00         |              | 37.9<br>38.0            | 69020          |
| 8.20<br>8.00         | 0.70<br>4.00         | 8.90<br>12.00         |                        |             | 1.90          | 2.83<br>2.47         | 3.44<br>3.00          | 3.94<br>3.00         |              | 34.6<br>32.0            | 68130          |



TABLE II.

| Station Number | Name and Address of Manufacturer and Name of Brand  | From Whom Obtained                                     |
|----------------|---|--|
| 68131          | <b>Consolidated Chemical Co., Louisville, Ky.</b><br>Camel Br. High Grade Tobacco Bed Special | Manufacturer<br>Guaranteed                             |
| 68132          | Camel Br. Potato and Tobacco Fertilizer   | Manufacturer<br>Guaranteed                             |
| 68134          | Camel Br. Corn, Wheat and Oats Grower   | Manufacturer<br>Guaranteed                             |
| 68135          | Camel Br. Potash Tobacco Fertilizer   | Manufacturer<br>Guaranteed                             |
| 68136          | Camel Br. Phosphate and Potash  | Manufacturer<br>Guaranteed                             |
| 68140          | Camel Br. Steamed Bone  | Manufacturer<br>Guaranteed                             |
| 68141          | Camel Br. Raw Bone  | Manufacturer<br>Guaranteed                             |
| 68587          | <b>Duncan and Sherley, La Grange, Ky.</b><br>Tiger Br. Pure Bone Meal                         | Manufacturer<br>Guaranteed                             |
| 69032          | <b>The Evansville Packing Co., Evansville, Ind.</b><br>Dark Patch Special                     | R. T. Kirkman, Elkton<br>Guaranteed                    |
| 69196          | Superb Farmers Choice   | Manufacturer<br>Guaranteed                             |
| 69197          | Superb Three "B"  | Manufacturer<br>Guaranteed                             |
| 69283<br>69284 | <b>Federal Chemical Co., Inc., Louisville, Ky.</b><br>†Standard Corn and Wheat Grower         | J. S. Noe, Rowland<br>S. M. Hoover, Game<br>Guaranteed |

TABLE II.

| PHOSPHORIC ACID      |                      |                         | Percentage<br>Of Fineness |             | NITROGEN      |                      | Equivalent to<br>Ammonia | POTASH               |         | Index of<br>Relative Value | Station<br>Number |
|----------------------|----------------------|-------------------------|---------------------------|-------------|---------------|----------------------|--------------------------|----------------------|---------|----------------------------|-------------------|
| Available            | Insoluble            | Total                   | Fine Bone                 | Medium Bone | Water Soluble | Total                |                          | Muriate              | Sulfate |                            |                   |
| 10.80<br>10.00       | 0.60<br>4.00         | 11.40<br>14.00          |                           |             | 2.40          | 3.59<br>3.29         | 4.36<br>4.00             |                      |         | 34.4<br>33.1               | 68131             |
| 10.80<br>10.00       | 0.60<br>4.00         | 11.40<br>14.00          |                           |             | 2.40          | 3.59<br>3.29         | 4.36<br>4.00             |                      |         | 34.4<br>33.1               | 68132             |
| 15.00<br>14.00       | 0.60<br>4.00         | 15.60<br>18.00          |                           |             | 0.26          | 0.46<br>0.41         | 0.56<br>0.50             |                      |         | 25.0<br>24.7               | 68134             |
| 10.30<br>10.00       | 0.70<br>4.00         | 11.00<br>14.00          |                           |             |               |                      |                          | 6.39<br>5.00         |         | 28.2<br>25.0               | 68135             |
| 10.65<br>10.00       | 0.65<br>4.00         | 11.30<br>14.00          |                           |             |               |                      |                          | 2.52<br>2.00         |         | 21.0<br>19.0               | 68136             |
|                      |                      | 32.40<br>34.00          | 95                        | 5           |               | 0.86<br>1.03         | 1.03<br>1.25             |                      |         | 30.2<br>32.4               | 68140             |
|                      |                      | 20.10<br>26.00          | 21                        | 79          |               | 4.52<br>3.71         | 5.49<br>4.50             |                      |         | 38.7<br>39.4               | 68141             |
|                      |                      | 25.00<br>27.00          | 59                        | 41          |               | 2.83<br>2.47         | 3.44<br>3.00             |                      |         | 34.2<br>34.0               | 68587             |
| 8.80<br>10.00        | 5.20                 | 14.00                   |                           |             | 1.50          | 2.60<br>2.47         | 3.16<br>3.00             | 2.99                 | 3.00    | 34.3<br>33.4               | 69032             |
| 12.80<br>12.00       | 1.90                 | 14.70                   |                           |             | 0.46          | 1.20<br>1.65         | 1.46<br>2.00             | 1.69<br>2.00         |         | 29.3<br>30.3               | 69196             |
| 8.60<br>8.00         | 4.30                 | 12.90                   |                           |             | 0.48          | 0.89<br>1.65         | 1.08<br>2.00             | 2.14<br>2.00         |         | 23.4<br>24.3               | 69197             |
| 8.05<br>9.50<br>8.00 | 3.60<br>3.30<br>2.00 | 11.65<br>12.80<br>10.00 |                           |             | 0.82<br>1.06  | 1.27<br>1.44<br>1.65 | 1.54<br>1.75<br>2.00     | 1.87<br>1.42<br>2.00 |         | 23.6<br>25.6<br>25.1       | 69283<br>69284    |

TABLE II.

| Station Number | Name and Address of Manufacturer and Name of Brand | From Whom Obtained   |
|----------------|--|--|
|                | <b>Federal Chemical Co., Inc., Louisville, Ky.</b> |  |
| 68743          | †Special Tobacco Maker                             | Lake Bros., Springfield<br>Guaranteed                              |
| 68745<br>69286 | †Mid-West High Grade Mixture                       | Lessenberry and Jones, Glasgow<br>J. S. Noe, Rowland<br>Guaranteed |
| 69287          | †Plant Bed Special                                 | Guenther Hardware Co., Owensboro<br>Guaranteed                     |
| 69042          | †Ky. Tobacco and Potato Grower                     | Burris and Turner, Greensburg<br>Guaranteed                        |
| 69047          | Potash Mixture                                     | Farmers Supply Co., Williamsburg<br>Guaranteed                     |
| 68753          | Extra Grade Phosphate                              | Burris and Turner, Greensburg<br>Guaranteed                        |
| 69048          | †Pure Bone   | Smith and Watkins, Adairville<br>Guaranteed                        |
| 68756          | Muriate of Potash                                  | H. D. Jones, Glasgow<br>Guaranteed                                 |
| 69294          | †Daybreak Wheat and Corn Special                   | G. P. Tabb, Upton<br>Guaranteed                                    |
| 68765          | Daybreak Special Manure                            | McKinley Bros., Russell Springs<br>Guaranteed                      |
| 69053          | Daybreak Special Tobacco Grower                    | Bresler, Son and Co., Owensboro<br>Guaranteed                      |
| 69296          | Daybreak Potash Mixture                            | A. W. Tarter, Columbia<br>Guaranteed                               |
| 69054          | 1st Prize Crop and Tobacco Grower                  | O. M. Embry, Tilford<br>Guaranteed                                 |
| 68771          | 1st Prize High Grade Phosphate                     | Stewart and Co., Munfordville<br>Guaranteed                        |
| 69055          | 1st Prize Raw Bone                                 | J. G. Henderson, Crofton<br>Guaranteed                             |

TABLE II.

| PHOSPHORIC ACID               |                             |                                | Percentage<br>Of Fineness |             | NITROGEN      |                      | Equivalent to<br>Ammonia | POTASH                     |                         | Index of<br>Relative Value         | Station<br>Number |
|-------------------------------|-----------------------------|--------------------------------|---------------------------|-------------|---------------|----------------------|--------------------------|----------------------------|-------------------------|------------------------------------|-------------------|
| Available                     | Insoluble                   | Total                          | Fine Bone                 | Medium Bone | Water Soluble | Total                |                          | Muriate                    | Sulfate                 |                                    |                   |
| <b>9.10</b><br>10.00          | <b>1.00</b><br>2.00         | <b>10.10</b><br>12.00          |                           |             | 1.36          | 1.73<br>1.65         | 2.10<br>2.00             | 2.10<br>2.00               |                         | <b>26.9</b><br>28.1                | 68743             |
| <b>8.55</b><br>10.25<br>10.00 | <b>2.80</b><br>2.45<br>2.00 | <b>11.35</b><br>12.70<br>12.00 |                           |             | 1.18<br>0.67  | 1.94<br>1.65<br>1.65 | 2.36<br>2.00<br>2.00     | <b>1.56</b><br><b>1.67</b> | <b>1.65</b><br><br>4.00 | <b>30.1</b><br><b>28.0</b><br>32.1 | 68745<br>69286    |
| 10.00<br>10.00                | 2.70<br>2.00                | 12.70<br>12.00                 |                           |             | 0.80          | <b>1.56</b><br>2.47  | 1.89<br>3.00             | 2.81                       | 3.00                    | <b>29.5</b><br>34.2                | 69287             |
| 8.90<br>8.00                  | 3.00<br>2.00                | 11.90<br>10.00                 |                           |             | 1.04          | <b>2.08</b><br>2.47  | 2.53<br>3.00             | 6.88<br>6.00               |                         | 38.7<br>37.2                       | 69042             |
| 10.45<br>10.00                | 1.20                        | 11.65                          |                           |             |               |                      |                          | <b>3.15</b><br>4.00        |                         | 22.0<br>23.0                       | 69047             |
| <b>16.95</b><br>18.00         | 2.20                        | 19.15                          |                           |             |               |                      |                          |                            |                         | <b>20.3</b><br>21.6                | 68753             |
|                               |                             | <b>23.20</b><br>30.00          | 85                        | 15          |               | 3.81<br>1.03         | 4.63<br>1.25             |                            |                         | 37.6<br>29.2                       | 69048             |
|                               |                             |                                |                           |             |               |                      |                          | <b>28.84</b><br>50.00      | <b>18.16</b>            | <b>94.0</b><br>100.0               | 68756             |
| <b>10.00</b><br>11.00         | 1.00<br>2.00                | 11.00<br>13.00                 |                           |             |               | 0.59<br>0.41         | 0.72<br>0.50             | 1.10<br>1.00               |                         | 20.6<br>21.4                       | 69294             |
| 9.40<br>10.00                 | 3.85<br>2.00                | 13.25<br>12.00                 |                           |             | 0.34          | 0.72<br>0.82         | 0.87<br>1.00             | <b>1.49</b><br>2.00        |                         | <b>22.2</b><br>23.9                | 68765             |
| 8.30<br>8.00                  | 1.30<br>2.00                | 9.60<br>10.00                  |                           |             | 0.31          | 1.46<br>1.23         | 1.77<br>1.50             |                            | <b>4.75</b><br>6.00     | <b>29.8</b><br>31.0                | 69053             |
| 10.75<br>10.00                | 3.50                        | 14.25                          |                           |             |               |                      |                          | <b>3.10</b><br>4.00        |                         | 22.3<br>23.0                       | 69296             |
| 7.85<br>8.00                  | 4.65<br>2.00                | 12.50<br>10.00                 |                           |             | 0.34          | 0.85<br>0.82         | 1.03<br>1.00             | <b>3.47</b>                | 4.00                    | 24.8<br>24.9                       | 69054             |
| <b>14.10</b><br>16.00         | 6.00                        | 20.10                          |                           |             |               |                      |                          |                            |                         | <b>16.9</b><br>19.2                | 68771             |
|                               |                             | <b>18.45</b><br>22.00          | 70                        | 30          |               | 4.00<br>3.71         | 4.86<br>4.50             |                            |                         | <b>34.8</b><br>36.2                | 69055             |

TABLE II.

| Station<br>Number | Name and Address of Manufacturer<br>and Name of Brand                    | From Whom Obtained  |
|-------------------|--|---|
|                   | <b>Fox Chem. Co., Br. Federal Chem. Co.,<br/>Inc., Louisville, Ky.</b>   |   |
| 69302             | †Fox Wheat and Corn Manure .....   | H. C. Clay, Waynesburg.....<br>Guaranteed.....                |
| 68776             | Fox Special Tobacco Grower.....  | T. C. Leachman, Greensburg.....<br>Guaranteed.....            |
| 68777             | †Fox Bone Phosphate and Potash.....                                      | Lessenberry and Jones, Glasgow.....<br>Guaranteed.....        |
| 68779             | †Fox High Grade Phosphate .....  | Lessenberry and Jones, Glasgow.....<br>Guaranteed.....        |
| 69062             | Fox Raw Bone.....  | Smith and Watkins, Adairville.....                            |
| 69307             |  | Smith and Watkins, Adairville.....<br>Guaranteed.....         |
|                   | <b>Globe Fert. Co., Br. Federal Chem. Co.,<br/>Inc., Louisville, Ky.</b> |   |
| 69309             | †Globe Blood, Bone Phosphate and<br>Potash.....                          | I. K. Miller and Sons, Campbellsville.....<br>Guaranteed..... |
| 68782             | †Progress Corn and Wheat Grower. ..                                      | Lucian Jones, Russell Springs.....<br>Guaranteed .....        |
| 69310             | †Braden Formula.....   | Big Four Co., Franklin.....<br>Guaranteed.....                |
| 68787             | †Universal Crop and Tobacco Grower.....                                  | Big Four Co., Franklin.....                                   |
| 68788             |  | I. K. Miller and Sons, Campbellsville.....<br>Guaranteed..... |
| 69065             | †Big Four Tobacco Grower.....  | Bresler, Son and Co., Owensboro.....<br>Guaranteed.....       |
| 69068             | †Kentucky Standard Tobacco Grower.....                                   | Planters Hardware Co., Hopkinsville.....                      |
| 69070             |  | A. L. Harmon and Son, Junction City.....<br>Guaranteed.....   |
| 69314             | Globe Half and Half Meal Mixture. ....                                   | W. H. Lyon, Loretto.....                                      |
| 69315             |  | Planters Hardware Co., Hopkinsville.....<br>Guaranteed.....   |
| 69316             | Globe Bone Phosphate and Potash.....                                     | Planters Hardware Co., Hopkinsville.....<br>Guaranteed.....   |

TABLE II.

| PHOSPHORIC ACID         |                       |                         | Percentage Of Fineness |             | NITROGEN      |                      | Equivalent to Ammonia | POTASH       |                      | Index of Relative Value | Station Number |
|-------------------------|-----------------------|-------------------------|------------------------|-------------|---------------|----------------------|-----------------------|--------------|----------------------|-------------------------|----------------|
| Available               | Insoluble             | Total                   | Fine Bone              | Medium Bone | Water Soluble | Total                |                       | Muriate      | Sulfate              |                         |                |
| 9.75<br>8.00            | 1.95<br>2.00          | 11.70<br>10.00          |                        |             | 0.87          | 1.26<br>1.65         | 1.53<br>2.00          | 1.57<br>2.00 |                      | 24.9<br>25.1            | 69302          |
| 7.90<br>8.00            | 0.30<br>2.00          | 8.20<br>10.00           |                        |             | 0.64          | 1.40<br>1.65         | 1.70<br>2.00          | 1.56         | 3.58<br>5.00         | 29.3<br>31.1            | 68776          |
| 12.35<br>10.00          | 2.65                  | 15.00                   |                        |             |               |                      |                       | 3.40<br>4.00 |                      | 25.3<br>23.0            | 68777          |
| 14.45<br>16.00          | 2.75                  | 17.20                   |                        |             |               |                      |                       |              |                      | 17.3<br>19.2            | 68779          |
|                         |                       | 18.30<br>20.80<br>22.00 | 87<br>57               | 13<br>43    |               | 4.66<br>3.80<br>3.71 | 5.66<br>4.61<br>4.50  |              |                      | 37.9<br>35.6<br>36.2    | 69062<br>69307 |
| 10.45<br>11.00          | 1.35<br>2.00          | 11.80<br>13.00          |                        |             |               | 0.37<br>0.41         | 0.45<br>0.50          | 0.92<br>1.00 |                      | 19.9<br>21.4            | 69309          |
| 9.75<br>10.00           | 3.80<br>2.00          | 13.55<br>12.00          |                        |             | 0.48          | 0.79<br>0.82         | 0.96<br>1.00          | 1.38<br>2.00 |                      | 22.9<br>23.9            | 68782          |
| 12.70<br>11.00          | 2.00<br>2.00          | 14.70<br>13.00          |                        |             |               | 0.65<br>0.82         | 0.79<br>1.00          | 2.25<br>3.00 |                      | 27.6<br>27.4            | 69310          |
| 7.95<br>8.00<br>8.00    | 4.20<br>1.80<br>2.00  | 12.15<br>9.80<br>10.00  |                        |             | 0.64<br>0.36  | 0.84<br>0.80<br>0.82 | 1.02<br>0.97<br>1.00  | 3.40<br>3.63 | 4.00                 | 24.6<br>24.0<br>24.9    | 68787<br>68788 |
| 7.30<br>8.00            | 1.40<br>2.00          | 8.70<br>10.00           |                        |             | 0.56          | 1.46<br>1.65         | 1.77<br>2.00          | 2.05<br>2.00 |                      | 22.9<br>25.1            | 69065          |
| 8.50<br>7.25<br>8.00    | 2.90<br>0.40<br>2.00  | 11.40<br>7.65<br>10.00  |                        |             | 0.57<br>0.95  | 1.71<br>1.55<br>1.65 | 2.08<br>1.88<br>2.00  | 1.12         | 2.14<br>6.31<br>5.00 | 28.9<br>31.4<br>31.1    | 69068<br>69070 |
| 10.40<br>10.95<br>10.00 | 7.40<br>3.00<br>10.00 | 17.80<br>13.95<br>20.00 |                        |             | 0.36          | 1.62<br>1.64<br>1.65 | 1.97<br>1.99<br>2.00  |              |                      | 26.7<br>25.8<br>27.3    | 69314<br>69315 |
| 15.80<br>10.00          | 1.30                  | 17.10                   |                        |             |               |                      |                       | 3.19<br>4.00 |                      | 30.1<br>23.0            | 69316          |



TABLE II.

| Station Number | Name and Address of Manufacturer and Name of Brand                      | From Whom Obtained                                  |
|----------------|---|---|
|                | <b>Globe Fert. Co., Br. Federal Chem. Co., Inc., Louisville, Ky.</b>    |   |
| 68792          | †Globe High Grade Phosphate   | H. D. Jones, Glasgow<br>Guaranteed                  |
|                | <b>Groves Fertilizer Works (The Joslin-Schmidt Co.), Cincinnati, O.</b> |   |
| 69323          | †Square Brand 2-12-2  | G. M. Hedrick, Monticello<br>Guaranteed             |
| 68796          | †Square Brand 3-8-6   | G. M. Hedrick, Monticello                           |
| 68798          |   | R. J. Smith and Co., Somerset                       |
| 69324          |   | Minges Hardware Co., Newport<br>Guaranteed          |
| 68799          | Square Brand 2-8-16   | H. D. Jones, Glasgow                                |
| 69325          |   | H. D. Jones, Glasgow<br>Guaranteed                  |
| 68800          | †Square Brand 1-8-4   | I. K. Miller and Sons, Campbellsville<br>Guaranteed |
| 69327          | Square Brand 0-14-4   | H. D. Jones, Glasgow<br>Guaranteed                  |
| 69330          | †16% Acid Phosphate   | V. B. Nuckols, Elkton<br>Guaranteed                 |
| 69333          | Bone and Potash Mixture   | H. D. Jones, Glasgow                                |
| 69334          |   | Cayce-Yost Co., Hopkinsville<br>Guaranteed          |
|                | <b>Hopkins Fertilizer Co., New Albany, Ind.</b>                         |   |
| 68299          | Truck, Potato and Tobacco Grower  | Manufacturer<br>Guaranteed                          |
| 68814          | Pure Raw Bone   | Emmett Shearer, Monticello<br>Guaranteed            |
| 68961          | Four-Ten-Four Potato Grower   | Manufacturer<br>Guaranteed                          |
| 68962          | Tankage and Phosphate Special   | Manufacturer<br>Guaranteed                          |

TABLE II.

| PHOSPHORIC ACID               |                              |                                 | Percentage<br>Of Fineness |             | NITROGEN             |                              | Equivalent to<br>Ammonia     | POTASH                  |                      | Index of<br>Relative Value   | Station<br>Number       |
|-------------------------------|------------------------------|---------------------------------|---------------------------|-------------|----------------------|------------------------------|------------------------------|-------------------------|----------------------|------------------------------|-------------------------|
| Available                     | Insoluble                    | Total                           | Fine Bone                 | Medium Bone | Water Soluble        | Total                        |                              | Muriate                 | Sulfate              |                              |                         |
| 14.90<br>16.00                | 3.20                         | 18.10                           |                           |             |                      |                              |                              |                         |                      | 17.9<br>19.2                 | 68792                   |
| 12.70<br>12.00                | 1.70<br>1.00                 | 14.40<br>13.00                  |                           |             | 1.29                 | 1.89<br>1.65                 | 2.29<br>2.00                 | 1.43<br>2.00            |                      | 32.0<br>30.7                 | 69323                   |
| 8.60<br>8.40<br>11.50<br>8.00 | 2.50<br>2.70<br>2.60<br>1.00 | 11.10<br>11.10<br>14.10<br>9.00 |                           |             | 1.91<br>1.85<br>0.33 | 2.75<br>2.80<br>1.37<br>2.47 | 3.34<br>3.40<br>1.66<br>3.00 | 0.80<br>0.68<br>9.10    | 4.26<br>4.41<br>6.00 | 37.8<br>37.9<br>43.4<br>36.8 | 68796<br>68798<br>69324 |
| 8.70<br>8.20<br>8.00          | 1.90<br>1.20<br>1.00         | 10.60<br>9.40<br>9.00           |                           |             | 0.31<br>0.49         | 1.74<br>1.21<br>1.65         | 2.11<br>1.47<br>2.00         | 14.06<br>15.87<br>16.00 |                      | 50.6<br>51.6<br>52.7         | 68799<br>69325          |
| 7.05<br>8.00                  | 4.35<br>1.00                 | 11.40<br>9.00                   |                           |             |                      | 0.77<br>0.82                 | 0.93<br>1.00                 | 4.64<br>4.00            |                      | 25.5<br>24.5                 | 68800                   |
| 14.90<br>14.00                | 2.10<br>1.00                 | 17.00<br>15.00                  |                           |             |                      |                              |                              | 2.25<br>4.00            |                      | 26.9<br>29.0                 | 69327                   |
| 15.05<br>16.00                | 2.40<br>1.00                 | 17.45<br>17.00                  |                           |             |                      |                              |                              |                         |                      | 18.1<br>19.2                 | 69330                   |
| 8.80<br>9.90<br>10.00         | 11.30<br>13.00<br>10.00      | 20.10<br>22.90<br>20.00         |                           |             |                      | 0.82<br>0.80<br>0.82         | 1.00<br>0.97<br>1.00         | 4.89<br>3.48<br>5.00    |                      | 31.6<br>31.0<br>33.1         | 69333<br>69334          |
| 8.20<br>10.00                 | 5.20<br>2.00                 | 13.40<br>12.00                  |                           |             | 1.01                 | 2.84<br>2.47                 | 3.45<br>3.00                 | 4.50<br>3.00            |                      | 37.6<br>34.2                 | 68299                   |
|                               |                              | 17.30<br>21.50                  | 69                        | 31          |                      | 2.58<br>3.50                 | 3.13<br>4.25                 |                         |                      | 26.7<br>34.7                 | 68814                   |
| 11.40<br>10.00                | 0.85<br>2.00                 | 12.25<br>12.00                  |                           |             | 2.45                 | 2.83<br>3.29                 | 3.44<br>4.00                 | 4.19<br>4.00            |                      | 40.0<br>40.3                 | 68961                   |
| 10.25<br>12.00                | 1.25<br>2.00                 | 11.50<br>14.00                  |                           |             | 1.33                 | 1.96<br>0.82                 | 2.38<br>1.00                 |                         |                      | 25.7<br>22.9                 | 68962                   |

TABLE II.

| Station<br>Number       | Name and Address of Manufacturer<br>and Name of Brand | From Whom Obtained   |
|-------------------------|---|--|
|                         | <b>International Agr. Corp., Inc., Cincinnati, O.</b> |  |
| 69078                   | I. A. C. Tobacco and Truck Grower                     | W. E. Ellis and Bro., Hartford<br>Guaranteed   |
| 68819                   | I. A. C. Potato and Tobacco Grower                    | S. A. Montgomery, McKinney<br>Guaranteed   |
| 68820<br>69079          | I. A. C. A-1 Tobacco Fertilizer                       | C. M. Langdon, Science Hill<br>J. W. Bratcher, Berea<br>Guaranteed                                     |
| 68821                   | I. A. C. Farmers Favorite Manure                      | S. A. Montgomery, McKinney<br>Guaranteed   |
| 69080                   | I. A. C. Old Ky. Special                              | W. E. Ellis and Bro., Hartford<br>Guaranteed   |
| 69428                   | I. A. C. Standard Potash Mixture                      | Sturgis Impl. and Hdw. Co., Sturgis<br>Guaranteed  |
| 69081                   | Buffalo Tobacco and Potato Grower                     | B. F. Beard and Co., Hardinsburg<br>Guaranteed   |
| 68823<br>69082          | Buffalo High Grade Tobacco Special                    | R. F. Emmons, Tollesboro<br>W. E. Ellis and Bro., Hartford<br>Guaranteed                               |
| 69085                   | Buffalo Kentucky Standard                             | W. H. Lynch, Leitchfield<br>Guaranteed   |
| 69086<br>69087          | Buffalo Complete Fertilizer                           | W. H. Lynch, Leitchfield<br>J. W. Hardman, Mt. Carmel<br>Guaranteed                                    |
| 68824<br>69341<br>69088 | Buffalo Corn and Grain Grower                         | Coffee and Vanhook, Moreland<br>Coffee and Vanhook, Moreland<br>W. H. Lynch, Leitchfield<br>Guaranteed |
| 69089                   | Buffalo High Grade Plant Food                         | W. H. Lynch, Leitchfield<br>Guaranteed   |
| 68531                   | Buffalo Potash Mixture                                | Manufacturer<br>Guaranteed   |

TABLE II.

| PHOSPHORIC ACID              |                              |                               | Percentage<br>Of Fineness |             | NITROGEN                     |                              | Equivalent to<br>Ammonia     | POTASH                       |                      | Index of<br>Relative Value   | Station<br>Number       |
|------------------------------|------------------------------|-------------------------------|---------------------------|-------------|------------------------------|------------------------------|------------------------------|------------------------------|----------------------|------------------------------|-------------------------|
| Available                    | Insoluble                    | Total                         | Fine Bone                 | Medium Bone | Water Soluble                | Total                        |                              | Muriate                      | Sulfate              |                              |                         |
| 8.25<br>8.00                 | 0.75<br>4.00                 | 9.00<br>12.00                 |                           |             | 1.13<br>1.64<br>1.65         |                              | 1.99<br>2.00                 | 4.60                         | 5.07<br>10.00        | 40.2<br>41.9                 | 69078                   |
| 8.90<br>8.00                 | 0.50<br>4.00                 | 9.40<br>12.00                 |                           |             | 1.59<br>2.39<br>2.47         |                              | 2.90<br>3.00                 |                              | 6.19<br>6.00         | 37.9<br>38.0                 | 68819                   |
| 10.60<br>10.30<br>10.00      | 1.20<br>1.00<br>4.00         | 11.80<br>11.30<br>14.00       |                           |             | 1.09<br>1.13<br>1.65         | 1.62<br>1.78<br>1.65         | 1.97<br>2.16<br>2.00         | 1.28                         | 2.57<br>4.25<br>4.00 | 32.2<br>33.3<br>32.9         | 68820<br>69079          |
| 10.50<br>10.00               | 1.10<br>5.00                 | 11.60<br>15.00                |                           |             | 0.55<br>0.87<br>0.82         |                              | 1.06<br>1.00                 | 3.52<br>3.00                 |                      | 27.6<br>27.1                 | 68821                   |
| 9.05<br>8.00                 | 0.55<br>5.00                 | 9.60<br>13.00                 |                           |             | 0.55<br>0.84<br>0.82         |                              | 1.02<br>1.00                 | 2.10<br>2.00                 |                      | 22.2<br>22.1                 | 69080                   |
| 9.35<br>10.00                | 1.20<br>5.00                 | 10.55<br>15.00                |                           |             |                              |                              |                              | 5.30<br>5.00                 |                      | 24.6<br>25.0                 | 69428                   |
| 8.35<br>8.00                 | 0.55<br>4.00                 | 8.90<br>12.00                 |                           |             | 2.18<br>2.92<br>2.47         |                              | 3.54<br>3.00                 | 1.00                         | 6.60<br>6.00         | 42.6<br>38.0                 | 69081                   |
| 10.55<br>10.40<br>10.00      | 0.95<br>0.60<br>4.00         | 11.50<br>11.00<br>14.00       |                           |             | 1.04<br>1.16<br>1.65         | 1.49<br>1.64<br>1.65         | 1.81<br>1.99<br>2.00         | 0.56                         | 3.46<br>3.62<br>4.00 | 31.7<br>31.3<br>32.9         | 68823<br>69082          |
| 10.65<br>10.00               | 1.50<br>5.00                 | 12.15<br>15.00                |                           |             | 0.53<br>0.90<br>0.82         |                              | 1.09<br>1.00                 | 3.30<br>3.00                 |                      | 27.7<br>27.1                 | 69085                   |
| 8.55<br>8.20<br>8.00         | 1.00<br>1.00<br>4.00         | 9.55<br>9.20<br>12.00         |                           |             | 0.40<br>0.55<br>0.82         | 0.69<br>0.89<br>0.82         | 0.84<br>1.08<br>1.00         | 4.49<br>4.33<br>4.00         |                      | 25.7<br>25.8<br>25.7         | 69086<br>69087          |
| 8.20<br>8.60<br>8.40<br>8.00 | 0.90<br>0.85<br>0.90<br>5.00 | 9.10<br>9.45<br>9.30<br>13.00 |                           |             | 0.46<br>0.60<br>0.38<br>0.82 | 0.78<br>0.88<br>0.67<br>0.82 | 0.95<br>1.07<br>0.81<br>1.00 | 2.34<br>1.85<br>2.69<br>2.00 |                      | 21.2<br>21.3<br>21.7<br>22.1 | 68824<br>69341<br>69088 |
| 10.05<br>10.00               | 1.00<br>5.00                 | 11.05<br>15.00                |                           |             | 1.39<br>2.16<br>2.47         |                              | 2.62<br>3.00                 |                              |                      | 26.3<br>29.4                 | 69089                   |
| 11.10<br>10.00               | 0.80<br>5.00                 | 11.90<br>15.00                |                           |             |                              |                              |                              | 5.06<br>5.00                 |                      | 26.8<br>25.0                 | 68531                   |

TABLE II.

| Station Number | Name and Address of Manufacturer and Name of Brand   | From Whom Obtained  |
|----------------|--|---|
| 68965          | <b>International Ag. Corp., Inc., Cincinnati, O.</b><br>Buffalo Bone Meal.....   | Manufacturer.....<br>Guaranteed.....  |
| 69092          | <b>Ky. Fert. Co., Br. Federal Chem. Co., Inc., Louisville, Ky.</b><br>O. K. Old Reliable.....  | C. D. Miller, Buechel.....<br>Guaranteed.....   |
| 68830<br>68831 | †O. K. High Grade Phosphate.....   | Smith and Smith Co., Shepherdsville.....<br>E. L. Freeman, Knoblick.....<br>Guaranteed..... |
| 67915          | <b>Knoxville Fertilizer Co., Knoxville, Tenn.</b><br>Knox High Grade Fertilizer.....   | Manufacturer.....<br>Guaranteed.....  |
| 68834<br>69349 | †Basic Ten-O-Four.....   | W. W. Taylor, Somerset.....<br>W. W. Taylor, Somerset.....<br>Guaranteed.....               |
| 68842          | <b>Louisville Fert. Co. (owned and operated by Armour Fert. Works), Louisville, Cincinnati, Nashville.</b><br>†Louisville Burley Tobacco Grower..... | J. T. Richardson, Campbellsville.....<br>Guaranteed.....                                    |
| 68843          | Louisville Plant Bed Special.....  | S. A. Browning, Vanceburg.....<br>Guaranteed.....   |
| 68844          | †Louisville Dark Tobacco Grower.....   | J. T. Richardson, Campbellsville.....<br>Guaranteed.....                                    |
| 69359          | Louisville 4-16-4 Fertilizer.....  | D. L. D. Sandefur, Beaver Dam.....<br>Guaranteed.....                                       |
| 69100          | Louisville High Grade Tobacco Grower.....  | Elkins and Kimmel, Greenville.....<br>Guaranteed.....                                       |
| 69102          | <b>Mt. Pleasant Fert. Co., Inc. (Subsidiary of Va.-Car. Chem Co.), Nashville, Memphis.</b><br>Mt. Pleasant 10-3-3.....                               | Cayce-Yost Co., Hopkinsville.....<br>Guaranteed.....  |

TABLE II.

| PHOSPHORIC ACID                              |                            |                              | Percentage Of Fineness |             | NITROGEN      |                            | Equivalent to Ammonia      | POTASH                                    |                             | Index of Relative Value                   | Station Number |
|--|----------------------------|------------------------------|------------------------|-------------|---------------|----------------------------|----------------------------|---|-----------------------------|---|----------------|
| Available                                    | Insoluble                  | Total                        | Fine Bone              | Medium Bone | Water Soluble | Total                      |                            | Muriate                                   | Sulfate                     |   |                |
|  |                            | <b>26.90</b><br><i>29.00</i> | <b>76</b>              | <b>24</b>   |               | <b>1.84</b><br><i>1.85</i> | <b>2.23</b><br><i>2.25</i> |   |                             | <b>30.7</b><br><i>32.5</i>                | 68965          |
| <b>11.30</b><br><i>13.00</i>                 | <b>1.80</b><br><i>2.00</i> | <b>13.10</b><br><i>15.00</i> |                        |             | <b>0.24</b>   | <b>0.72</b><br><i>0.41</i> | <b>0.87</b><br><i>0.50</i> | <b>1.49</b><br><i>1.00</i>                |                             | <b>24.3</b><br><i>24.4</i>                | 69092          |
| <b>14.90</b><br><b>13.85</b><br><i>16.00</i> | <b>0.80</b><br><b>6.50</b> | <b>15.70</b><br><b>20.35</b> |                        |             |               |                            |                            |   |                             | <b>17.9</b><br><b>16.6</b><br><i>19.2</i> | 68830<br>68831 |
| <b>12.20</b><br><i>10.00</i>                 | <b>1.60</b>                | <b>13.80</b>                 |                        |             | <b>1.03</b>   | <b>1.03</b><br><i>1.65</i> | <b>1.25</b><br><i>2.00</i> | <b>2.45</b><br><i>2.00</i>                |                             | <b>29.0</b><br><i>27.3</i>                | 67915          |
| <b>9.20</b><br><b>9.50</b><br><i>10.00</i>   | <b>3.20</b><br><b>3.30</b> | <b>12.40</b><br><b>12.80</b> |                        |             |               |                            |                            | <b>4.09</b><br><b>3.75</b><br><i>4.00</i> |                             | <b>22.0</b><br><b>21.8</b><br><i>23.0</i> | 68834<br>69349 |
| <b>8.10</b><br><i>8.00</i>                   | <b>1.30</b><br><i>1.00</i> | <b>9.40</b><br><i>9.00</i>   |                        |             | <b>1.70</b>   | <b>2.26</b><br><i>2.47</i> | <b>2.74</b><br><i>3.00</i> | <b>0.64</b>                               | <b>4.46</b><br><i>6.00</i>  | <b>34.2</b><br><i>36.8</i>                | 68842          |
| <b>9.20</b><br><i>8.00</i>                   | <b>1.70</b><br><i>1.00</i> | <b>10.90</b><br><i>9.00</i>  |                        |             | <b>1.88</b>   | <b>2.83</b><br><i>3.29</i> | <b>3.44</b><br><i>4.00</i> | <b>0.88</b>                               | <b>1.70</b><br><i>3.00</i>  | <b>33.8</b><br><i>34.9</i>                | 68843          |
| <b>8.70</b><br><i>8.00</i>                   | <b>1.45</b><br><i>1.00</i> | <b>10.15</b><br><i>9.00</i>  |                        |             | <b>1.03</b>   | <b>1.63</b><br><i>1.65</i> | <b>1.98</b><br><i>2.00</i> | <b>0.88</b>                               | <b>2.52</b><br><i>4.00</i>  | <b>28.6</b><br><i>28.7</i>                | 68844          |
| <b>16.15</b><br><i>16.00</i>                 | <b>1.50</b><br><i>1.00</i> | <b>17.65</b><br><i>17.00</i> |                        |             | <b>2.88</b>   | <b>2.88</b><br><i>3.29</i> | <b>3.50</b><br><i>4.00</i> | <b>4.62</b><br><i>4.00</i>                |                             | <b>48.5</b><br><i>48.9</i>                | 69359          |
| <b>10.90</b><br><i>10.00</i>                 | <b>1.40</b><br><i>1.00</i> | <b>12.30</b><br><i>11.00</i> |                        |             | <b>1.11</b>   | <b>1.69</b><br><i>1.65</i> | <b>2.05</b><br><i>2.00</i> | <b>0.96</b>                               | <b>7.78</b><br><i>10.00</i> | <b>42.8</b><br><i>43.7</i>                | 69100          |
| <b>11.50</b><br><i>10.00</i>                 | <b>8.10</b><br><i>2.00</i> | <b>19.60</b><br><i>12.00</i> |                        |             | <b>1.16</b>   | <b>1.60</b><br><i>2.47</i> | <b>1.94</b><br><i>3.00</i> | <b>0.88</b>                               | <b>1.64</b><br><i>3.00</i>  | <b>33.5</b><br><i>34.2</i>                | 69102          |

TABLE II.

| Station<br>Number | Name and Address of Manufacturer<br>and Name of Brand   | From Whom Obtained  |
|-------------------|---|---|
| 69104             | <b>Mt. Pleasant Fert. Co., Inc., Subsidiary<br/>of Va.-Car. Chem. Co., Nashville,<br/>Memphis, Tenn.</b><br>†Mt. Pleasant Superior Tobacco<br>Grower..... | T. H. O'Bryan, Dawson Springs.....<br>Guaranteed.....   |
| 69169             | Mt. Pleasant Special Potato Grower.....   | Manufacturer.....<br>Guaranteed.....  |
| 69364             | <b>Price Chemical Co., Inc., Louisville, Ky.</b><br>†Special Corn and Wheat Fertilizer.....   | Skidmore Hardware Co., Elizabethtown.....<br>Guaranteed.....  |
| 68079             | Universal Crop Fertilizer.....  | Manufacturer.....<br>Guaranteed.....  |
| 68855<br>69113    | General Crop Fertilizer.....  | R. E. Callis, Bedford.....<br>Shelby Feed and Produce Co., Shelby-<br>ville.....<br>Guaranteed..... |
| 68082             | One-Ten-One Fertilizer.....   | Manufacturer.....<br>Guaranteed.....  |
| 68856             | One-Eight-Three Fertilizer.....   | I. K. Miller and Sons, Campbellsville.....<br>Guaranteed.....                                       |
| 68857             | Ky. Blue Grass Tobacco Special.....   | Skidmore Hardware Co., Elizabethtown.....<br>Guaranteed.....  |
| 68858             | Ky. Blue Grass Tobacco Fertilizer.....  | I. K. Miller and Sons, Campbellsville.....<br>Guaranteed.....                                       |
| 69114             | Extra High Grade Tobacco Fertilizer.....  | F. R. Dowell, Hardinsburg.....<br>Guaranteed.....   |
| 68087             | High Grade Special.....   | Manufacturer.....<br>Guaranteed.....  |
| 69365             | Old Time Grain Fertilizer.....  | W. L. Anderson and Son, Caneyville.....<br>Guaranteed.....  |
| 68859             | Old Time Tobacco Fertilizer.....  | I. K. Miller and Sons, Campbellsville.....<br>Guaranteed.....                                       |



TABLE II.

| PHOSPHORIC ACID |               |                | Percentage<br>Of Fineness |             | NITROGEN      |              | Equivalent to<br>Ammonia | POTASH       |              | Index of<br>Relative Value | Station<br>Number |
|-----------------|---------------|----------------|---------------------------|-------------|---------------|--------------|--------------------------|--------------|--------------|----------------------------|-------------------|
| Available       | Insoluble     | Total          | Fine Bone                 | Medium Bone | Water Soluble | Total        |                          | Muriate      | Sulfate      |                            |                   |
| 9.60<br>8.00    | 14.50<br>2.00 | 24.10<br>10.00 |                           |             |               |              |                          |              | 3.13<br>4.00 | 20.7<br>20.0               | 69104             |
| 11.25<br>10.00  | 3.85<br>2.00  | 15.10<br>12.00 |                           |             | 1.62          | 2.04<br>2.47 | 2.48<br>3.00             | 3.55<br>4.00 |              | 35.7<br>36.2               | 69169             |
| 11.80<br>11.00  | 1.10<br>4.00  | 12.90<br>15.00 |                           |             | 0.62          | 0.62<br>0.41 | 0.75<br>0.50             | 1.38<br>1.00 |              | 24.0<br>22.2               | 69364             |
| 12.60<br>12.00  | 0.65<br>4.00  | 13.25<br>16.00 |                           |             | 0.45          | 0.87<br>0.82 | 1.06<br>1.00             | 1.19<br>1.00 |              | 25.9<br>25.7               | 68079             |
| 10.30           | 1.30          | 11.60          |                           |             | 0.82          | 1.00         | 1.21                     | 2.60         |              | 26.2                       | 68855             |
| 10.20<br>10.00  | 1.60<br>4.00  | 11.80<br>14.00 |                           |             | 0.72          | 1.00<br>0.82 | 1.21<br>1.00             | 2.90<br>2.00 |              | 26.8<br>24.7               | 69113             |
| 10.65<br>10.00  | 0.50<br>4.00  | 11.15<br>14.00 |                           |             | 0.42          | 0.88<br>0.82 | 1.07<br>1.00             | 1.37<br>1.00 |              | 23.3<br>22.7               | 68082             |
| 8.40<br>8.00    | 1.30<br>4.00  | 9.70<br>12.00  |                           |             | 0.69          | 1.27<br>0.82 | 1.54<br>1.00             | 2.19<br>3.00 |              | 23.9<br>23.7               | 68856             |
| 9.20<br>8.00    | 0.60<br>4.00  | 9.80<br>12.00  |                           |             | 0.84          | 1.30<br>1.23 | 1.58<br>1.50             |              | 3.84<br>4.00 | 28.2<br>27.8               | 68857             |
| 8.70<br>8.00    | 0.50<br>4.00  | 9.20<br>12.00  |                           |             | 0.75          | 1.34<br>1.23 | 1.63<br>1.50             | 4.00<br>4.00 |              | 28.0<br>27.8               | 68858             |
| 10.70<br>10.00  | 0.70<br>4.00  | 11.40<br>14.00 |                           |             | 1.14          | 1.79<br>1.65 | 2.17<br>2.00             | 4.38<br>4.00 |              | 34.1<br>32.9               | 69114             |
| 11.10<br>10.00  | 0.50<br>4.00  | 11.60<br>14.00 |                           |             | 1.13          | 1.86<br>1.65 | 2.26<br>2.00             | 2.47<br>2.00 |              | 31.0<br>28.9               | 68087             |
| 9.70<br>8.00    | 1.10<br>4.00  | 10.80<br>12.00 |                           |             | 1.08          | 1.08<br>1.65 | 1.31<br>2.00             | 2.68<br>2.00 |              | 25.8<br>25.9               | 69365             |
| 7.90<br>8.00    | 1.40<br>4.00  | 9.30<br>12.00  |                           |             | 1.01          | 1.68<br>1.65 | 2.04<br>2.00             |              | 1.97<br>2.00 | 24.8<br>25.9               | 68859             |

TABLE II.

| Station<br>Number | Name and Address of Manufacturer<br>and Name of Brand                           | From Whom Obtained                                 |
|-------------------|---|--|
| 68090             | <b>Price Chemical Co., Inc., Louisville, Ky.</b><br>Superior Tobacco Fertilizer | Manufacturer<br>Guaranteed                         |
| 68860             | Extra Special Tobacco Fertilizer  | Skidmore Hardware Co., Elizabethtown<br>Guaranteed |
| 68092             | Best Vegetable and Tobacco Fertilizer   | Manufacturer<br>Guaranteed                         |
| 68861             | Three-Eight-Six Tobacco Grower  | Mayhew Feed Co., Franklin<br>Guaranteed            |
| 69115             | Three-Eight-Six Tobacco Fertilizer  | Cogar Rumley Co., Midway<br>Guaranteed             |
| 68095             | Potato Grower   | Manufacturer<br>Guaranteed                         |
| 68096             | Truck and Tobacco Fertilizer  | Manufacturer<br>Guaranteed                         |
| 68097             | Special Trucker   | Manufacturer<br>Guaranteed                         |
| 68098             | High Grade Tobacco Bed Special  | Manufacturer<br>Guaranteed                         |
| 68099             | Potato and Tobacco Fertilizer   | Manufacturer<br>Guaranteed                         |
| 68100             | High Grade Vegetable Fertilizer   | Manufacturer<br>Guaranteed                         |
| 68101             | High Grade Fertilizer   | Manufacturer<br>Guaranteed                         |
| 68102             | Victory Grain Special   | Manufacturer<br>Guaranteed                         |
| 68104             | Potash Tobacco Grower   | Manufacturer<br>Guaranteed                         |
| 68105             | Phosphate and Potash Fertilizer   | Manufacturer<br>Guaranteed                         |

TABLE II.

| PHOSPHORIC ACID |              |                | Percentage<br>Of Fineness |             | NITROGEN      |              | Equivalent to<br>Ammonia | POTASH       |               | Index of<br>Relative Value | Station<br>Number |
|-----------------|--------------|----------------|---------------------------|-------------|---------------|--------------|--------------------------|--------------|---------------|----------------------------|-------------------|
| Available       | Insoluble    | Total          | Fine Bone                 | Medium Bone | Water Soluble | Total        |                          | Muriate      | Sulfate       |                            |                   |
| 8.55<br>8.00    | 0.45<br>4.00 | 9.00<br>12.00  |                           |             | 1.14          | 1.83<br>1.65 | 2.22<br>2.00             | 0.84         | 4.50<br>5.00  | 32.8<br>31.9               | 68090             |
| 10.60<br>10.00  | 1.00<br>4.00 | 11.60<br>14.00 |                           |             | 1.97          | 2.74<br>2.47 | 3.33<br>3.00             | 0.64         | 2.82<br>3.00  | 36.9<br>35.0               | 68860             |
| 9.05<br>8.00    | 0.30<br>4.00 | 9.35<br>12.00  |                           |             | 1.84          | 2.77<br>2.47 | 3.36<br>3.00             | 1.64         | 8.27<br>10.00 | 47.4<br>46.0               | 68092             |
| 8.60<br>8.00    | 0.90<br>4.00 | 9.50<br>12.00  |                           |             | 1.79          | 2.60<br>2.47 | 3.16<br>3.00             | 6.50<br>6.00 |               | 39.3<br>38.0               | 68861             |
| 8.70<br>8.00    | 0.60<br>4.00 | 9.30<br>12.00  |                           |             | 1.77          | 2.47<br>2.47 | 3.00<br>3.00             | 0.56         | 5.57<br>6.00  | 37.9<br>38.0               | 69115             |
| 8.45<br>8.00    | 0.35<br>4.00 | 8.80<br>12.00  |                           |             | 2.12          | 2.99<br>2.47 | 3.63<br>3.00             | 1.24         | 5.01<br>6.00  | 40.3<br>38.0               | 68095             |
| 8.55<br>8.00    | 0.35<br>4.00 | 8.90<br>12.00  |                           |             | 1.81          | 2.71<br>2.47 | 3.29<br>3.00             | 3.90<br>3.00 |               | 34.3<br>32.0               | 68096             |
| 10.80<br>10.00  | 0.30<br>4.00 | 11.10<br>14.00 |                           |             | 1.19          | 1.86<br>1.65 | 2.26<br>2.00             | 5.35<br>4.00 |               | 36.3<br>32.9               | 68097             |
| 10.75<br>10.00  | 0.25<br>4.00 | 11.00<br>14.00 |                           |             | 2.59          | 3.56<br>3.29 | 4.32<br>4.00             |              |               | 34.0<br>33.1               | 68098             |
| 10.75<br>10.00  | 0.25<br>4.00 | 11.00<br>14.00 |                           |             | 2.59          | 3.56<br>3.29 | 4.32<br>4.00             |              |               | 34.0<br>33.1               | 68099             |
| 10.75<br>10.00  | 0.25<br>4.00 | 11.00<br>14.00 |                           |             | 2.59          | 3.56<br>3.29 | 4.32<br>4.00             |              |               | 34.0<br>33.1               | 68100             |
| 10.70<br>10.00  | 0.35<br>4.00 | 11.05<br>14.00 |                           |             | 0.95          | 1.83<br>1.65 | 2.22<br>2.00             |              |               | 25.3<br>24.9               | 68101             |
| 15.30<br>14.00  | 0.45<br>4.00 | 15.75<br>18.00 |                           |             | 0.29          | 0.50<br>0.41 | 0.61<br>0.50             |              |               | 25.6<br>24.7               | 68102             |
| 10.75<br>10.00  | 0.25<br>4.00 | 11.00<br>14.00 |                           |             |               |              |                          |              | 5.03<br>5.00  | 26.2<br>25.0               | 68104             |
| 10.30<br>10.00  | 0.25<br>4.00 | 10.55<br>14.00 |                           |             |               |              |                          | 2.58<br>2.00 |               | 20.6<br>19.0               | 68105             |

TABLE II.

| Station Number | Name and Address of Manufacturer and Name of Brand   | From Whom Obtained                                  |
|----------------|--|---|
| 68109          | <b>Price Chemical Co., Inc., Louisville, Ky.</b><br>Steamed Bone   | Manufacturer<br>Guaranteed                          |
| 68110          | Raw Bone   | Manufacturer<br>Guaranteed                          |
| 69367          | <b>Rasin-Monumental Co. (Subsidiary of Va.-Car. Chem. Co.), Cincinnati, Nashville, Memphis.</b><br>†Rasin's 16% Acid Phosphate | H. A. Spradlin, Monticello<br>Guaranteed            |
| 69374          | <b>Read Phosphate Co., Nashville, Tenn.</b><br>†Blood and Bone No. 1   | J. H. Jasper, West Somerset<br>Guaranteed           |
| 68880          | †High Grade Truck and Tobacco Special  | Hollingsworth-Young Hdw. Co., Bowling Green         |
| 68881          |  | U. L. Antle, Columbia                               |
| 68882          |  | Barren County Grocery and Hdw. Co., Glasgow         |
| 69377          |  | Hollingsworth-Young Hdw. Co., Bowling Green         |
| 69125          |  | I. K. Miller and Sons, Campbellsville<br>Guaranteed |
| 68885          | †Prize Tobacco Grower  | Willis Blake, Crocus                                |
| 69128          |  | Young Hardware Co., Hopkinsville<br>Guaranteed      |
| 68484          | <b>Swift and Co., Inc., National Stock Yards, Ill.</b><br>Swift's Red Steer 2-8-1  | Manufacturer<br>Guaranteed                          |
| 68486          | Swift's Red Steer 3-12-4   | Manufacturer<br>Guaranteed                          |
| 69138          | †Swift's Red Steer 3-8-6   | G. H. Nunnelley and Co., Georgetown                 |
| 69139          |  | G. P. Harris, Cloverport                            |
| 69442          |  | Yopp Seed Co., Paducah<br>Guaranteed                |
| 68493          | Swift's Red Steer 2-10-2   | Manufacturer<br>Guaranteed                          |

TABLE II.

| PHOSPHORIC ACID                                   |   |   | Percentage<br>Of Fineness |             | NITROGEN            |  | Equivalent to<br>Ammonia                          | POTASH  |   | Index of<br>Relative Value                        | Station<br>Number       |
|---|---|---|---------------------------|-------------|---------------------|--|---|---|---|---|-------------------------|
| Available   | Insoluble   | Total   | Fine Bone                 | Medium Bone | Water Soluble       | Total  |   | Muriate   | Sulfate                                   |   |                         |
|   |   | <b>32.90</b><br><i>34.00</i>                      | 93                        | 7           |                     | 0.86<br><i>1.03</i>                                      | 1.04<br><i>1.25</i>                               |   |   | <b>30.6</b><br><i>32.4</i>                        | 68109                   |
|   |   | <b>21.10</b><br><i>26.00</i>                      | 18                        | 82          |                     | 4.64<br><i>3.71</i>                                      | 5.63<br><i>4.50</i>                               |   |   | 40.1<br><i>39.4</i>                               | 68110                   |
| <b>15.20</b><br><i>16.00</i>                      | <b>1.10</b><br><i>1.50</i>                        | 16.30<br><i>17.50</i>                             |                           |             |                     |  |   |   |   | 18.2<br><i>19.2</i>                               | 69367                   |
| 12.80<br><i>8.00</i>                              | 8.70<br><i>5.00</i>                               | 21.50<br><i>13.00</i>                             |                           |             |                     | <b>0.37</b><br><i>1.65</i>                               | 0.45<br><i>2.00</i>                               | 2.87<br><i>2.00</i>                               |   | 30.3<br><i>26.3</i>                               | 69374                   |
| 8.10<br><i>7.90</i>                               | 5.40<br><i>4.00</i>                               | 13.50<br><i>11.90</i>                             |                           |             | 0.83<br><i>1.11</i> | 1.73<br><i>1.73</i>                                      | 2.10<br><i>2.10</i>                               | <b>5.80</b><br><i>4.72</i>                        | <b>1.42</b><br><i>2.02</i>                | 37.4<br><i>35.6</i>                               | 68880<br>68881          |
| 8.85  | 5.65  | 14.50   |                           |             | 1.13                | 1.64   | 1.99  | <b>1.76</b>                                       | <b>5.23</b>                               | 37.7  | 68882                   |
| 11.10<br><i>9.20</i><br><i>8.00</i>               | 3.80<br><i>4.50</i><br><i>4.00</i>                | 14.90<br><i>13.70</i><br><i>12.00</i>             |                           |             | 1.24<br><i>0.98</i> | 1.76<br><i>1.74</i><br><i>1.65</i>                       | 2.14<br><i>2.11</i><br><i>2.00</i>                | <b>3.72</b><br><i>3.64</i>                        | <b>1.95</b><br><i>2.55</i><br><i>8.00</i> | 38.3<br><i>36.7</i><br><i>37.9</i>                | 69377<br>69125          |
| 13.10<br><i>8.95</i><br><i>10.00</i>              | 3.10<br><i>2.50</i><br><i>3.00</i>                | 16.20<br><i>11.45</i><br><i>13.00</i>             |                           |             | 1.40<br><i>1.92</i> | <b>1.91</b><br><i>2.72</i><br><i>2.47</i>                | 2.32<br><i>3.30</i><br><i>3.00</i>                | <b>2.19</b><br><i>3.51</i><br><i>3.00</i>         |   | 34.8<br><i>35.1</i><br><i>34.6</i>                | 68885<br>69128          |
| <b>7.25</b><br><i>8.00</i>                        | <b>1.00</b><br><i>1.00</i>                        | 8.25<br><i>9.00</i>                               |                           |             | 1.21                | 1.53<br><i>1.65</i>                                      | 1.86<br><i>2.00</i>                               | 1.00<br><i>1.00</i>                               |   | <b>20.9</b><br><i>22.7</i>                        | 68484                   |
| <b>8.75</b><br><i>12.00</i>                       | 4.75<br><i>1.00</i>                               | 13.50<br><i>13.00</i>                             |                           |             | 2.46                | 2.46<br><i>2.47</i>                                      | 2.99<br><i>3.00</i>                               | 4.50<br><i>4.00</i>                               |   | <b>36.3</b><br><i>38.8</i>                        | 68486                   |
| 8.65<br><i>8.60</i><br><i>8.40</i><br><i>8.00</i> | 0.85<br><i>0.70</i><br><i>0.60</i><br><i>1.00</i> | 9.50<br><i>9.30</i><br><i>9.00</i><br><i>9.00</i> |                           |             |                     | <b>1.96</b><br><i>2.31</i><br><i>2.42</i><br><i>2.47</i> | 2.40<br><i>2.80</i><br><i>2.94</i><br><i>3.00</i> | 2.91<br><i>3.16</i><br><i>3.12</i><br><i>6.00</i> | 5.96<br><i>2.14</i><br><b>1.73</b>        | 37.2<br><i>35.3</i><br><i>34.6</i><br><i>36.8</i> | 69138<br>69139<br>69442 |
| 9.50<br><i>10.00</i>                              | 0.90<br><i>1.00</i>                               | 10.40<br><i>11.00</i>                             |                           |             | 1.23                | 1.55<br><i>1.65</i>                                      | 1.88<br><i>2.00</i>                               | 1.99<br><i>2.00</i>                               |   | <b>26.3</b><br><i>27.7</i>                        | 68493                   |

TABLE II.

| Station<br>Number | Name and Address of Manufacturer<br>and Name of Brand                               | From Whom Obtained  |
|-------------------|---|---|
|                   | <b>Tennessee Chemical Co. (Armour owned)<br/>Louisville, Cincinnati, Nashville.</b> |   |
| 69395             | †Ox Dark Tobacco Grower   | J. S. Duke, Crab Orchard.....<br>Guaranteed.....  |
| 68206             | Ox 2-12-2 Fertilizer  | Manufacturer.....<br>Guaranteed.....  |
| 69146             | †Ox 0-12-4 Fertilizer   | McChesney and Thompson, Trenton.....<br>Guaranteed.....                                       |
| 69397<br>69398    | †Ox Bone Meal   | Young Hardware Co., Hopkinsville.....<br>H. D. Jones, Glasgow.....<br>Guaranteed.....         |
| 69404             | †Ox 20% Superphosphate  | H. D. Jones, Glasgow.....<br>Guaranteed.....  |
| 68907             | †Ox Black Patch Special   | Thomas Hinton Co., Bowling Green.....<br>Guaranteed.....                                      |
| 69407             | †Ox Burley Tobacco Grower   | J. S. Duke, Crab Orchard.....<br>Guaranteed.....  |
| 69408             | Ox Plant Bed Special...   | J. S. Duke, Crab Orchard.....<br>Guaranteed.....  |
|                   | <b>Tenn. Copper and Chemical Corporation,<br/>Lockland, O.</b>                      |   |
| 69156             | †2-12-2 Fertilizer.....   | Boone County Farm Bureau, Florence.....<br>Guaranteed.....                                    |
| 68913             | 3-8-6 Fertilizer.....   | Hardin County Farm Bureau, Elizabeth<br>town.....   |
| 69157<br>69158    |   | C. D. Hughes, Russellville.....<br>Boone County Farm Bureau, Florence.....<br>Guaranteed..... |
| 69159             | 3-8-6 Fertilizer.....   | Farmers Supply Co., Richmond.....<br>Guaranteed.....  |



TABLE II.

| PHOSPHORIC ACID               |                              |                                 | Percentage Of Fineness |             | NITROGEN             |                              | Equivalent to Ammonia        | POTASH                       |              | Index of Relative Value      | Station Number          |
|-------------------------------|------------------------------|---------------------------------|------------------------|-------------|----------------------|------------------------------|------------------------------|------------------------------|--------------|------------------------------|-------------------------|
| Available                     | Insoluble                    | Total                           | Fine Bone              | Medium Bone | Water Soluble        | Total                        |                              | Muriate                      | Sulfate      |                              |                         |
| 15.60<br>8.00                 | 0.70<br>1.00                 | 16.30<br>9.00                   |                        |             | 1.04                 | 1.24<br>1.65                 | 1.51<br>2.00                 | 1.96                         | 4.00         | 33.8<br>28.7                 | 69395                   |
| 11.15<br>12.00                | 2.00<br>1.00                 | 13.15<br>13.00                  |                        |             | 1.71                 | 2.08<br>1.65                 | 2.53<br>2.00                 | 4.52<br>2.00                 |              | 37.0<br>30.7                 | 68206                   |
| 10.00<br>12.00                | 3.10<br>1.00                 | 13.10<br>13.00                  |                        |             |                      |                              |                              | 1.28<br>4.00                 | 2.43         | 22.4<br>26.0                 | 69146                   |
|                               |                              | 25.80<br>29.50<br>27.00         | 55<br>76               | 45<br>24    |                      | 2.54<br>1.79<br>2.47         | 3.08<br>2.17<br>3.00         |                              |              | 33.3<br>32.6<br>34.0         | 69397<br>69398          |
| 19.20<br>20.00                | 1.65<br>1.00                 | 20.85<br>21.00                  |                        |             |                      |                              |                              |                              |              | 23.0<br>24.0                 | 69404                   |
| 8.45<br>8.00                  | 3.00<br>1.00                 | 11.45<br>9.00                   |                        |             | 1.38                 | 2.42<br>2.47                 | 2.94<br>3.00                 | 0.60                         | 4.13<br>6.00 | 35.6<br>36.8                 | 68907                   |
| 10.70<br>8.00                 | 1.50<br>1.00                 | 12.20<br>9.00                   |                        |             | 1.37                 | 2.51<br>2.47                 | 3.05<br>3.00                 | 0.88                         | 4.32<br>6.00 | 39.6<br>36.8                 | 69407                   |
| 10.95<br>8.00                 | 0.85<br>1.00                 | 11.80<br>9.00                   |                        |             | 1.72                 | 2.93<br>3.29                 | 3.56<br>4.00                 | 0.64                         | 2.60<br>3.00 | 37.9<br>34.9                 | 69408                   |
| 10.50<br>12.00                | 1.40<br>0.20                 | 11.90<br>12.20                  |                        |             | 1.06                 | 1.37<br>1.65                 | 1.66<br>2.00                 | 5.23<br>2.00                 |              | 33.6<br>30.3                 | 69156                   |
| 9.00<br>10.05<br>9.20<br>8.00 | 1.25<br>1.40<br>1.20<br>0.20 | 10.25<br>11.45<br>10.40<br>8.20 |                        |             | 1.79<br>1.61<br>0.94 | 2.10<br>1.90<br>1.22<br>2.47 | 2.55<br>2.31<br>1.48<br>3.00 | 5.85<br>6.05<br>6.98<br>6.00 |              | 36.2<br>37.2<br>34.3<br>36.4 | 68913<br>69157<br>69158 |
| 8.75<br>8.00                  | 1.05<br>0.20                 | 9.80<br>8.20                    |                        |             | 1.75                 | 2.03<br>2.47                 | 2.46<br>3.00                 | 5.97                         | 6.00         | 35.6<br>36.4                 | 69159                   |



TABLE II.

| Station<br>Number | Name and Address of Manufacturer<br>and Name of Brand   | From Whom Obtained                                      |
|-------------------|---|---|
| 68931             | <b>Virginia-Carolina Chemical Co., Inc.,<br/>Cincinnati, Nashville, Memphis.</b><br>V-C Tobacco Plant Food..... | Farmers Union Supply Co., Falmouth..<br>Guaranteed..... |
| 68501             | <b>Wood, Stubbs and Co., Inc., Louisville,<br/>Ky.</b><br>Acme Potato Grower.....                               | Manufacturer.....<br>Guaranteed.....                    |
| 68503             | Acme 2-8-6 Brand.....   | Manufacturer.....<br>Guaranteed.....                    |

TABLE II.

| PHOSPHORIC ACID |              |                | Percentage<br>Of Fineness |             | NITROGEN      |              | Equivalent to<br>Ammonia | POTASH  |              | Index of<br>Relative Value | Station<br>Number |
|-----------------|--------------|----------------|---------------------------|-------------|---------------|--------------|--------------------------|---------|--------------|----------------------------|-------------------|
| Available       | Insoluble    | Total          | Fine Bone                 | Medium Bone | Water Soluble | Total        |                          | Muriate | Sulfate      |                            |                   |
| 9.00<br>9.00    | 1.55<br>1.50 | 10.55<br>10.50 |                           |             | 1.57          | 1.79<br>2.47 | 2.17<br>3.00             |         |              | 23.1<br>26.5               | 68931             |
| 10.50<br>8.00   | 2.70<br>4.00 | 13.20<br>12.00 |                           |             | 1.35          | 2.01<br>2.47 | 2.44<br>3.00             |         | 5.37<br>6.00 | 37.6<br>38.0               | 68501             |
| 7.90<br>8.00    | 2.70<br>4.00 | 10.60<br>12.00 |                           |             | 0.53          | 1.48<br>1.65 | 1.80<br>2.00             | 6.03    | 6.00         | 32.4<br>33.9               | 68503             |

